X

PROGRESS REPORT

OF

FOREST ADMINISTRATION

IN THE

PUNJAB

FOR

1892-93.

Lahore:
THE "CIVIL AND MILITARY GAZETTE" PRESS,
Contractors to the Punjab Government.

1893.

No. 640-F., dated Simla, the 18th June 1894.

From—SIR E. C. BUCK, KT., C.S.I., Secretary to the Government of India, Department of Revenue and Agriculture,

To—The Revenue Secretary to the Government of the Punjab.

IN acknowledging the receipt of your letter No. 86, dated the 26th January last, forwarding the Report on Forest Administration in the Punjab for the year 1892-93, together with a copy of the Lieutenant-Governor's orders thereon, I am directed to communicate the following remarks.

2. At the close of the period under review, the gross area of all classes of forest on the returns of the Department amounted to 6,052 square miles, or 18 square miles less than for the year 1891-92. The areas of reserved forests were diminished by 62 square miles, mainly in order to meet requirements for colonization in the Gujranwala district, and increased by 93 square miles for Military purposes, the net addition being 31 square miles. 282 square miles were removed from the protected area under the Forests Department for the Gujranwala colony. On the other hand, 216 square miles of unclassed forests were transferred during the year from the charge of the ordinary revenue staff to that of the forest officials. The decision to retain, for the present at least, the unclassed forests in the *Bar* of the Montgomery district in the charge of the Deputy Commissioner is judicious. The opinion, repeated in the first paragraph of His Honour's orders on the Report, that when State lands are to be brought under the Forest Act it is usually preferable to reserve them under Chapter II, and to regulate their management by rules having legal or executive sanction, adapted to the circumstances and requirements of each case, is in accord with the views of the Government of India.

3. Under the heads of demarcation, surveys and settlement, the papers forwarded with your letter call for little remark. The return of forests already surveyed or under survey indicates that only about two-thirds of the reserved area under the Department and one-fifth of the remaining forests have been mapped. In the case of the plains forests, simple boundary surveys will probably suffice, but the adequacy of existing maps might with advantage have been commented upon. In the matter of forest settlements, it is observed that final orders are about to be passed on the long-pending settlements of the forests in Kulu, Kangra, and elsewhere.

4. In response to the request contained in paragraph 5 of the letter from this Department, No. 1520-F., dated 16th December 1892, the Conservator has furnished a review of the present position and future improvement of forest management under preconsidered plans of work. This subject seems, for the first time, to have received comprehensive consideration and its importance to have been duly recognized. Working-plans exist, or are being prepared, for one-half of the reserved area; and having regard to what is stated in paragraph 19 of the report, a material increase in the rate of progress may be anticipated. With reference to the remarks contained in paragraph 23 of the report, it is suggested that the economic utilization of any produce, including grass, may be quite as legitimately included within the scheme of a forest working-plan as the regulation of work in a valuable timber-producing area. On this subject, a recent communication has been addressed to the Punjab Government.

Circular No. 21-F., dated 8th September 1893.

5. The number of forest cases was 1,256 and that of offences compounded 1,279, as compared with the corresponding figures for the financial

year 1891-92 of 1,315 cases and 648 compositions. The percentage of convictions obtained in the courts has fallen from 82 in 1890-91 to 77·8 in 1891-92 and to 71·4 in 1892-93. Assuming as actual results the average figures for 12 out of the 15 months to which the report relates, the number of court cases has decreased by 30 per cent., and that of offences compounded increased by 58 per cent. as compared with the returns for the financial year 1891-92. In the Jhelum District, where the cases compounded were more than doubled, the number of court cases was also materially increased. The reasons for the decline in the percentage of successfully prosecuted court cases—a rate which compares unfavourably with that obtained in other provinces throughout India—and for other variations exhibited by the returns, notably the small proportion of convictions in Bashahr, have not been sufficiently explained by the Conservator. The Government of India notice His Honour's remark that "under the careful supervision of the Conservator, there is no risk of the power given by section 67 being abused in the Punjab." But it is not the Conservator alone who should exercise supervision; and His Excellency in Council trusts that Deputy Commissioners of Districts and their responsible subordinate officers will, as opportunity offers, check the action of the Forest officials under this section of the Act.

6. Owing to a favourable season, the forests were exceptionally free from damage by fire. The number of fires was 61 and the acreage burnt 3,000, as compared with 294 fires and 51,000 acres in the preceding year. Only one square mile, or 0·3 per cent. of the area specially protected, was burned over and the cost per square mile protected was reduced from Rs. 8 to Rs. 5-8. As regards areas open and closed to grazing, the report might have distinguished more clearly between forest managed by the Department and those controlled under other authority, and have indicated the means by and the extent to which the principles enunciated in the circular of this Department No. 21-F., dated 12th July 1889, are applied in practice. The percentage of forest area controlled by the Department, wholly or partially closed during the period, was 1·3 less than for 1891-92, or 28 per cent., this being also the average percentage for the five years ending 1892-93. Appendix I to the report indicates that, including areas managed by the Military Department, etc., one effect of the alterations made during the year was to increase the area open to browsing animals by 63 square miles, the greater part of which is comprised of reserves.

7. The Government of India have noticed the endeavours made to introduce the exotics *Robinia* and *Albizzia*. The former has been extensively propagated both in Europe and America, on account of its qualities as a fast-growing tree, specially suitable for fuel, for binding railway embankments and other purposes. A considerable measure of success has attended its introduction into Baluchistan and into the neighbourhood of Simla, and it will be interesting to observe the progress of further experiments in the Punjab.

8. During the period under review, there were removed from the forests 23¼ lakhs and 344½ lakhs cubic feet of timber and fuel, respectively, as well as minor forest-produce to the value of 5½ lakhs of rupees. The outturn of timber and fuel per square mile of forest was 7,452 cubic feet. These figures, however, are the actuals for 15 months, and include rough estimates of immense quantities of produce removed free of payment. Comparing results for the financial years 1891-92 and 1892-93, it is observed that during the latter period the quantity of timber and fuel removed by Government agency

decreased from 32,45,000 to 30,81,000 cubic feet, while the decline in the amount removed by purchasers, from 16,45,000 to 12,40,000 cubic feet, was still more marked. The reasons for these material decreases in outturn have not been clearly brought out.

9. The financial results were not satisfactory For the period of 15 months under review they were: Receipts Rs. 9,20,570, Charges Rs. 7,82,622, and Surplus Rs. 1,37,948. The results according to the financial year were as follows, compared with the previous returns:—

Period.		Receipts.	Charges.	Surplus.	Proportion of surplus to gross revenue.
		Rs.	Rs.	Rs.	Per cent.
Forest year 1892-93 (1st July 1892 to 30th June 1893).		8,20,988	6,52,044	1,68,944	20
Financial year	1892-93	8,12,632	6,56,265	1,56,367	19
	1891-92	10,20,074	6,40,275	3,79,799	37
	Difference in 1892-93 . . .	—2,07,442	+15,990	—2,23,432	—18
	Average for the five years ending 1891-92.	9,21,772	6,42,193	2,79,579	30

Both the gross and net revenues were the lowest obtained since 1887-88. The decline in the revenue from timber is attributed to dulness in trade and to the consequent withholding of large stocks, the sale of which would have made good the estimates. Other causes seem to have occasioned a falling off in receipts from bamboos, grazing, and miscellaneous sources. The Conservator remarks on the prospective decline of revenue, and adduces grounds for his belief that the surplus, usual during the past decennial period, cannot in future be maintained. There appear to be, however, reasons for supposing that this view may prove erroneous. The imports of timber from the forests of Native States, not managed by Government, may be expected, as in the Lower Provinces of Bengal, eventually to decline either from the exhaustion of supplies, or in some cases from restrictions imposed by improved administration; at the same time that more careful and intensive working in British forests, when brought under working-plans and equipped with stronger establishments, will provide a larger supply of saleable material.

10. I am to say, in conclusion, that the Conservator's report is interesting, and the Government of India concur in the commendatory remarks recorded in His Honour's orders. Since the report under review was received, the Government of India have learned, with regret, of the sudden death of Mr. Whittall, the Conservator, whose good service in the Punjab since 1889 has been uniformly noticed. Mr. Whittall had also, during the twenty-one years of his official career, done excellent service in the North-West Provinces, Burma, the Central Provinces and Berar.

G. C. Press, Simla.—No. 243 R. & A. D.—22-6-94.—300.

Proceedings of the Hon'ble the Lieutenant-Governor of the Punjab in the Forest Department, No. 78, dated the 24th January 1894.

READ—

The Progress Report on the Forest Administration of the Punjab for the year 1892-93, submitted by the Conservator of Forests with his letter No. 2170, dat d the 16th October 1893.

REMARKS.—In 1892-93 the Forest Department had in its charge lands covering an area of 5,809 square miles, of which 1,634 consisted of reserved, 68 of protected, and 4,107 of unclassed, forests. As compared with 1891-92, there is a decrease of about 40,000 acres in the reserved forests managed by the Department, which is mainly due to the surrender of lands for colonization on the Chenab Canal. On the other hand, the area of Military reserves has risen by 59,000 acres, as it is now the policy of the Military Department to bring all rakhs under its control within the provisions of the 2nd Chapter of the Forest Act. The Conservator has erroneously classed the reservation of 41,101 acres in the Hissar Bír and 3,775 acres in Rakh Bandan in the Dera Ismail Khan District as an addition to the areas under the charge of district authorities, as the Bír is managed by the Commissariat Department and the Rakh by the Cavalry regiment at Dera Ismail Khan. The Háfizabad rakhs having been given up for colonization, the only protected forests now controlled by the Department are those in the Murree and Kahúta tahsíls of Ráwalpindi. There are, however, 131 square miles of protected forest under district management in Kohát. His Honor has recently expressed an opinion that, when lands are brought under the Act at all, it is usually preferable to apply the provisions of Chapter II, and by the issue of rules to make the actual management as easy for the people as the circumstances of each case permit. In the current year the area of unclassed forests is being enlarged by the transfer of some 300 square miles in Kángra from district management. In view of this increase, and of the higher standard of work now demanded, it is a matter for much regret that financial difficulties have compelled the abandonment of the scheme for the reorganization of the subordinate forest service. The Lieutenant-Governor hopes that it may still be found possible to sanction an instalment of this much needed reform.

2. No important Forest Settlements have been sanctioned during the year. The Lieutenant-Governor has just made a tour through Kulu and through a considerable portion of Kángra in order to be in a better position to understand the difficult and complicated questions which arise in connection with the Kulu and Kángra Forest Settlements, and orders will issue regarding them before His Honor again goes into camp. Mr. Anderson has been appointed Deputy Commissioner of Kángra with a view to ensure the matter being properly dealt with. His Honor has still to consider the Shahpur Kandi Report which has been pending for a long time. The report on the Gujrát Belás is not with Government, but is understood to be with the Financial Commissioner.

3. The working plan of the Bashahr Forest was referred back to the Conservator for further consideration, and has recently been returned by him. The Lieutenant-Governor has now sanctioned the Pangi working plan, reserving certain questions as to the record of rights and privileges. The whole question of the connection of the Conservator with the Kot Guru and Kot Khái and Simla Municipal Forests has recently been discussed. As regards the Kot Guru and Kot Khái Forests (Reserves) the matter will be further considered when the working plan is received. With reference to the remarks contained in paragraph 20 of the report, His Honor is of opinion that as regards all these reserved forests the Conservator should receive from the Hill Forest Officers the forms prescribed by Section 89 of the Forest Department Code as soon as the working plans are approved, in order to enable him to report to Government any deviations which may occur. The Deputy Commissioner of Simla will be asked to consider and report on the Conservator's remarks regarding the irregularities stated to prevail in Kot Khái and Kot Guru. With reference

to the statement in paragraph 24 of the report regarding the amount of produce allowed to right-holders in the Kulu forests, it must be borne in mind that these forests are worked mainly for the benefit of the people of the locality. Nor are the rights at present limitless, as Mr. Whittall asserts, for they have in all cases been defined by the Forest Settlement Officer.

4 The general programme which Mr. Whittall has now drawn up for the preparation of working plans will be very useful. The elaborate working plans required for the great timber forests in the hills will not be needed for the fuel and grass rakhs in the plains. For the latter no special Working Plan Officer will be required. In some cases the ordinary Divisional Officer will be able to make the working plans for the smaller and less important hill forests.

5. There is nothing particular to notice about the statistics relating to offences against the Forest Act brought to trial. The number of cases in which offences were compounded under Section 67 has nearly doubled. The increase is mainly due to the practice recently reverted to in Ráwalpindi, with His Honor's approval, of accepting compensation in cases investigated and reported on by Rangers, as well as in cases in which the Divisional Officer had made a personal enquiry. Recent enquiry has shown that under the careful supervision of the Conservator there is no risk of the power given by Section 67 being abused in the Punjab.

6. It is very satisfactory to note the opinion expressed in paragraphs 46 and 47 that light grazing is actually beneficial in connection with the reproduction of deodár in the great hill forests

7. The year has been an excellent one for natural reproduction. The Conservator has himself paid great attention to the experimental cultivation of Robinia pseudo acacia and Albizzia lophanta, and has evidently great hopes of their proving useful for clothing the low hills in the more arid parts of the Province.

8. The financial results of the year are poor owing to the dullness of the timber trade. The surplus (Rs. 1,56,367) has not fallen so low in any of the past ten years except 1887-88, when it was only Rs. 1,09,025. But the income of the Forest Department is subject to great fluctuations, while the expenditure is fairly steady.

9. The orders for the adoption of the forest year ending 30th June in Forest Administration Reports were issued by the Government of India in 1892. In paragraph 113 the Conservator points out how inconvenient they are as regards his work. It would be possible to allow the Conservator to delay submitting the report to Government till the 15th November, but, though this arrangement would give him more time in which to do justice to the Divisional reports, it would probably be equally inconvenient as regards his camping duties.

10. In conclusion, the Lieutenant-Governor desires to thank Mr. Whittall for his interesting report, and for the care with which he has supervised the working of the Department under his charge.

ORDER.—Ordered that the above Remarks be printed and published as usual with the Report and in the *Punjab Government Gazette*; also that they be forwarded with the Report to the Government of India in the Department of Revenue and Agriculture.

By order of the Hon'ble the Lieutenant-Governor,

J. M. DOUIE,

Offg. Revenue Secretary to Government, Punjab.

Punjab Government Press, Lahore—25-1-94—430.

No. 2170.

FOREST DEPARTMENT, PUNJAB.

FROM

R. H. C. WHITTALL, Esquire,
Conservator of Forests,
PUNJAB,

TO

THE REVENUE SECRETARY TO GOVERNMENT,
PUNJAB.

Dated LAHORE, 16*th October* 1893.

SIR,

I have the honour to submit the Annual Administration Report of the Punjab Forest Department for the year 1892-93.

I have the honour to be,
Sir,
Your most obedient Servant,

R. H. C. WHITTALL,
Conservator of Forests, Punjab.

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PROGRESS REPORT

OF

FOREST ADMINISTRATION IN THE PUNJAB

FOR THE YEAR 1892-93.

CHAPTER I.—EXTENSION AND CONSTITUTION OF STATE FORESTS.

I.—Alteration of Area.

Changes during the year.

1. The principal changes that have occurred during the forest year, April 1892 to June 1893, inclusive, have been due to (1) the exclusion of all classes of forests in the Chenáb Division required for the Chenáb Canal Colonisation Scheme; (2) the addition to reserves of plains rakhs and birs for the Military and for District purposes; and (3) the transfer to Forest management of large tracts of unclassed forest and waste land hitherto managed by District Officers.

Thus in the Chenáb Division we lose 36,754 acres of Reserves, and 1,80,601 acres of Protected forests required for canal irrigation, but we gain 32,317 acres of former District rakhs. So also in Ráwalpindi we gain 72,994 acres and in Jhelum 33,047 acres of District rakhs. Similar transfers in the Kángra District were not effected until after the close of the forest year and will therefore not be shown until next year.

Statement of area.

2. The following statement exhibits in tabular form the changes in all classes of forest in acres :—

	At the commencement of the forest year.	Added.	Excluded.	At the close of the forest year.
Reserves.				
(1) Departmental	10,85,298	1,044	41,386	10,45,856
(2) Military	12,268	14,509	...	26,777
(3) District	10	44,876	...	44,886
Protected.				
(1) Departmental	2,23,865	...	1,80,601	43,264
(2) District	84,142	...	...	84,142
Unclassed.	24,79,705	1,55,452	6,501	26,28,656
Total	38,85,288	2,16,781	2,28,488	38,73,581

Changes by Divisions.

3. The detail of the changes by Divisions is as below:—

(*a*). *Reserves.*

Ráwalpindi.—Five acres excluded from the Kherimar Reserve, owing to the discovery of an error in the original settlement papers.

157 acres excluded from the Kála Chitta Reserve and transferred to the Mári-Attock Railway under *Punjab Government Notification No.* 41 *of the* 18*th January* 1893.

Bashahr.—395 acres excluded by reason of correct areas supplied by the Superintendent of Forest Surveys.

21 acres excluded by transfer to unclassed forests.

Jhelum.—334 acres excluded by transfer to the North-Western Railway under *Punjab Government Notification No.* 574 *of the* 13*th December* 1892.

Chenab (*a*). *Gujránwála District.*—36,734 acres excluded by disafforestation, under section 26 of the Forest Act, for transfer to Colonization Officer under *Punjab Government Notification No.* 463 *of the* 12*th October* 1892.

384 acres excluded from the Thatta Fakírulla Reserve by judgment of a Civil Court.

(*b*). *Gujrát District.*—1,013 acres added, 2,531 acres excluded, by remeasurement by Land Revenue Settlement, and 101 acres lost by river action.

Lahore.—One acre excluded under *Punjab Government Notification No.* 533 *of the* 23*rd November* 1892 from the Shahdara Forest.

244 acres added to the Amritsar Reserves by remeasurement by Land Revenue Settlement.

Multan.—32 acres excluded from the Mailsi Reserves under *Punjab Governmen Notification No.* 277 *of the* 14*th April* 1893 for the use of the Canal Department.

Ambala.—Four acres excluded from the Jagádhri Forest by river action.

(*b*). *Protected Forests.*

Protected forests.

4. The only change under this head was the exclusion of the entire area of Protected forests in the Háfizabad Tahsíl of the Gujránwála District, aggregating 1,80,601 acres for colonization in connection with the Chenáb Canal under *Punjab Government Notification No.* 462, *dated* 12*th October* 1892.

(*c*). *Unclassed Forests.*

Unclassed forests.

5. The following is the detail according to Divisions of changes in the area of unclassed forests during the period under report.

Ráwalpindi.—72,994 acres were added by transfer from District rakhs in connection with the general scheme for the transfer to the Forest Department of waste lands under the Deputy Commissioners under *Punjab Government No.* 107 *of* 8*th February* 1893 to the Financial Commissioner.

Kángra.—Sixteen acres were leased for cultivation and excluded. 509 acres were made over to the Civil authorities for cultivation under *Punjab Government No.* 57, *dated* 3*rd February* 1892.

Kulu.—Two acres were added by purchase and two by exchange, while 285 were leased for cultivation and two exchanged.

Bashahr.—21 acres were added by transfer from Reserves and 27 acres excluded by lease for cultivation.

Jhelum.—33,047 acres were added by transfer from District rakhs under sanction of *Punjab Government No.* 107 *of the* 8*th February* 1893 to the Financial Commissioner.

Chenáb.—The following additions were made to unclassed forests in this Division :—

By transfer from District rakhs under *Punjab Government No.* 107 *of* 8*th February* 1893 to Financial Commissioner	5,173
Under *Financial Commissioner's No.* 2677 *of* 10*th April* 1892	27,144
By transfer being balance left and not taken over by the Chenáb Canal Colonization Officer after the disafforesting of 2,17,335 acres under *Punjab Government Nos.* 462 *and* 463 *of* 12*th October* 1892 ...	13,084
By correction by Land Revenue Settlement	1,664

The deductions were as follows :—

By correction by Land Revenue Settlement	1,705
By transfer to the Canal Department	4
By river action	347

Lahore.—200 acres were excluded from Rakh Aulakh, Chunián Range, by lease for cultivation under sanction of *Financial Commissioner's No.* 273 *of* 3*rd May* 1892.

399 acres in the Sharakpur Tahsíl were transferred to the Civil Department for colonization on the Chenáb Canal under *Financial Commissioner's No.* 3932 *of* 6*th June* 1893.

Multan.—38 acres were added to Arbi grass rakh, owing to correction of previous returns by local survey, while in the Muzaffargarh District 1,489 acres were added and 2,193 acres lost by river action.

Montgomery.—Twenty acres were sold under *Punjab Government Nos.* 48 *and* 302 *of* 29*th January* 1892 *and* 12*th May* 1892.

Simla Hills.—The changes here are simply the transfer of Dagshai and Subáthu plantations to the Simla Hills Division.

6. The following is a list of Military Reserves managed entirely by the Military authorities :—

Military rakhs.

	Acres.
Rawalpindi District.	
Reserve Margalla	11,200
Jhelum District.	
Bela Saila	934
Chamba.	
Bakloh	134
Jalandhar District.	
Bir Sarangwála No. I	753
" " No. II	132
Lahore District.	
Rakh Tera	4,093
" Dahuri	763
" Padri	490
" Bangali	3,891
" Baikuntha	4,387
Total ...	13,624
Total Reserves ...	26,777

There are other forests in charge of the Military, but they are not Reserved or Protected, and therefore, under Government instructions, are not shown on our books.

7. The Reserved and Protected forests on our books but in charge of the Civil authorities are :—

Civil rakhs.

Reserves—

	Acres.
Jhelum District.	
Bela Pira Ghaib	10
Dera Ismail Khan District.	
Rakh Bandan	3,775
Hissar District.	
Hissár Bir	41,101
Total Reserves ...	44,886

Protected—

Kohat District.	
Khwarra Forest	58,881
Zira Forest	25,261
Total Protected ...	84,142

8. Besides the areas exhibited in Form 46 as departmental forests, in many districts the District forests also are managed by Forest Officers; thus for example in Multan all the District forests and in Kángra the jágír forests of Gulehr and Kotlehr are looked after by the Forest Officer working under the Deputy Commissioner.

Additional areas managed by the Forest Department.

II.—Forest and Land Revenue Settlement.

9. The year has passed without anything being achieved in the settlement of the Kulu, Kángra and Shahpur Kandi Forests, but at the time of writing His Honour the Lieutenant-Governor is proceeding to the tracts concerned, to finally settle the vexed question of the acceptance or rejection of the Forest Settlements made and so long under consideration, so that it is hoped that next year we may report that these settlements have been adopted.

Forest and Land Revenue Settlement.

10. There is no progress to report regarding the concessions to be granted on the Pangi Forests; but the work of enquiring into the claims for concessions not recorded at the settlement of the Chamba Upper Rávi leased forests has been going on steadily. It is hoped that next year a list of concessions recommended will be ready for consideration. It would be a mistake to press on this matter to an issue, as time and observation are necessary to test the genuineness of many of the claims put forward.

Concessions in Pangi.

11. The Land Revenue Settlement of the Shahpur District has been finished, but it is not known whether the Forest Settlement of the Khusháb Rakhs is complete or not.

Land Revenue Settlement in Shahpur.

12. The Forest Settlement of the Gujrát Belas has been finished and is before Government for consideration, and the Chenáb Canal Colonization Officer has been gazetted a Forest Settlement Officer for the settlement of the Pakka Mári or Sarwála block in the Jhang District.

Settlement of Gujrát Belas and Pakka Mári.

13. In the Siálkot District a notification under Section 4 of the Forest Act has issued for the proposed reservation of Bela Tahliánwála under *Punjab Government Notification* No. 430 of the 4th December 1891. The reservation of Chak Sher Shahwála in the Montgomery District already notified under Section 4 of the Forest Act is proceeding.

Reservation of new areas.

14. In the Amritsar District the Land Revenue Settlement has given us corrected areas of our Reserves, increasing them on paper by 244 acres.

Land Revenue Settlement in Amritsar.

15. In the Lahore District the Land Revenue Settlement is in progress.

Land Revenue Settlement in Lahore.

16. We have no village forests in the Punjab but we shall have, when the settlement of the Kangra Forests has been disposed of, Jágír Forests shared by Government and made Protected forests under the Act. While in the Murree and Kahúta Forests of Ráwalpindi we have unclassed forests settled by a Forest Settlement and governed by rules made under Chapter XIII of the Act (Section 75).

Other lands.

III.—Demarcation.

17. Form 48 exhibits the work done in the Province, in the way of demarcation, according to the latest orders. It is seen from the small expense incurred compared with that of years previous to 1888-89, that no special heavy work of demarcation is anywhere in progress.

Work of the year

The preparation of this form has given considerable labour, and I cannot yet vouch for the accuracy of it. There is no place to show such work as, for example, the repair or renewal of one pillar in a demarcated Reserve of several miles in perimeter, for the form considers nothing but length of boundary.

In Hazára, Ráwalpindi (except the new rakhs this year transferred to our management) Kulu, Lahore and Montgomery demarcation is complete, or practically complete, nothing but renewal, repair and maintenance being required.

In Chamba renewal is required for the entirety of the reserves and is in progress.

In Kángra and Bashahr the construction of permanent pillars is closely following the operations of the survey while in Jhelum, Chenáb, and Multan the selection of unclassed forests worthy of superior demarcation and the improvement of the boundaries of the same are being steadily pursued.

IV.—Surveys.

18. Form No. 49 (statement of areas surveyed) is a new return, and as such is not likely to be quite accurate in the first year of its existence, especially in the columns showing the expenditure incurred on surveys in past years.

Work of the year.

The Forest Survey Branch has been employed on the mapping of the Bashahr Forests, but exact information regarding the actual area of forests surveyed has not been available, as the area over which operations were undertaken included other lands as well as the reserved and unclassed forests. It appears that up to the close of the Forest year 1,131 square miles of country, inclusive of 170 square miles of reserved forest and an unknown area of unclassed forests have been surveyed on a 4" scale and 1,344 square miles on a 1" scale at a total cost of Rs. 89,582, since the commencement of operations. 13 square miles of the Kot Khai and Kotguru Reserved Forests were also surveyed by the same agency.

In Chenáb the work done was in connection with the Land Revenue Survey and Settlement.

The form being a new one, no comparison can be made with the work of the past year.

CHAPTER II.—MANAGEMENT OF STATE FORESTS.

I.—Regulation of Management.

(a). *Working Plans and their Control.*

Work during the year.

19. The Working Plan of the Bashahr forests was completed during the year by Mr. Lace, Deputy Conservator of Forests, and is now under the consideration of the Local Government.

The actual working of the forests is however in strict accordance with the Plan and is controlled by Forms 2 and 3 just as if the Plan were formally sanctioned.

The Kalesar Working Plan was completed and adopted by the Local Government during the year.

The Pangi Working Plan is complete and is under the consideration of the Local Government. The Kotkhai and Kotgarh Working Plan has at the time of writing this report, just been received back from the Financial Commissioner.

Simla.

20. The Working Plan of the Simla Municipal Forests is still with the Deputy Commissioner of Simla. I do not get for these British forests of ilakas Kotkhai, Kotguru and Simla the control forms prescribed under Section 90 of the Forest Code, and am therefore unable to say how they are being worked, but I feel convinced that the Plan, although all the formalities concerning its final sanction and adoption have not been fulfilled, is not being properly adhered to under the control of the Deputy Commissioner. In the case of Kotkhai and Kotgarh the unclassed forests, which are not included in the Plan, are being desperately overworked; in the forests under the Plan compartments are worked out of their turn; the maximum output prescribed by the Plan for individual forests is being in certain cases exceeded; and timber is given at right-holder's rates to European residents of Kotgarh who are not right-holders, out of forests declared at Settlement to have no rights upon them. This is the kind of control which may be expected when Forms 2 and 3 are not submitted to professional authorities.

No progress can be made in the Working Plan for the new catchment area, until the settlement of the question of the transfer of this area from the Rána of Koti.

Kála Chitta.

21. The Working Plan of the Kála Chitta Forest is in progress, the field work being completed.

The special Working Plans Division was placed in abeyance on the departure of Mr. Lace on long leave in April 1893, no other officer being available, but the field work of the Kála Chitta Plan was continued under Mr. Fazl-ud-din.

Multan and Montgomery.

22. Local work was also carried on in the Multan and Montgomery Districts, a large area in each being selected and examined, and descriptions of blocks drawn up by the local Dehra School trained Ranger in Multan. These Plans will however be somewhat delayed during consideration of the possibility of adding to the Reserved forests, for some of the forests, selected are still unclassed.

Areas for which Working Plans are not required.

23. It is hardly fair to value the Working Plans of the Punjab Forests on the basis of the percentage of those forests under regular programmes, out of the total area of forest. We have enormous tracts of inferior forest which swell our figures of gross area, but which are little used but for grazing, and many of which have a very uncertain future. In other tracts again the necessity of keeping them perpetually open to grazing quite precludes the idea of certain forests ever being worked in any forestry sense, and they can hardly be included in the list of forest tracts for which Plans are even desirable. While in many forests again, the grazing rights or the grazing necessities make it exceedingly doubtful if any working of forest produce could ever be brought under a regular programme.

Areas requiring Working Plans.

24. The forests for which Plans are needed are thus detailed, in the order of their urgency:—

1. Kulu.
2. Kághán.
3. Kángra.
4. Montgomery.
5. Multan.
6. Khanpur.
7. Jhelum Salt Range.
8. Dungagalli.
9. Siran.
10. Shahpur Rakhs.
11. Jhelum Rakhs.
12. Chenáb Rakhs.
13. Ráwalpindi Rakhs.

The Kulu Forests, 550 square miles exclusive of protected undemarcated forest, require Working Plans more urgently than any other. It is quite possible that they have been over-exploited in past years, although ever since Mr. Pigot's time we have very largely decreased the commercial exploitations. But it is desirable, for the adminis-

tration of these forests, to know the annual yield which should be taken from them, one and all. Many administrative questions will remain unsettled until this proper annual output is known. The amount of forest produce granted as a right has not been fixed by the Forest Settlement. When it is known that the annual yield from a certain forest ought not to exceed 1,000 cubic feet for instance, it is probable that the produce given to right-holders will not be allowed to exceed this figure. And further, when it is seen how little, after the right-holders have been satisfied, remains for commercial exploitation by Government, perhaps some limits will be given to these at present limitless rights.

Necessity for Working Plan in Kulu and Kághán

25. The above is also true, but in a far less degree, of the Kaghan Forests, 90 square miles. And it must be borne in mind that Kulu and Kághán are our only *British* Forests, Chamba and Bashahr being leased. It is in Kulu and Kághán, especially the former, where we ought to sink capital in increasing the proportion of deodár in mixed forests and in extending the area of the deodár forests by plantation and other means. All such outlay will be repaid some day. But these works require the spending of capital, and Kulu on account of its lavish local consumption is not rich when one considers its Forest Budget. Hence the necessity of limiting this local consumption to actual necessities and of defining those necessities and throwing all the surplus into what Government may treat commercially. These considerations, although they are much mixed up with administration, call for the speedy settlement by Working Plan of these forests.

Very similar considerations obtain in Kángra, 900 square miles, although the wood is here no longer deodár.

Working Plans for Multan and Montgomery.

26. Next in order of importance come the areas which feed the North-Western Railway with fuel; these are in Montgomery, 240 square miles, and in Multan about 70. The Reserved forests are not of sufficient extent to maintain the supply, and Government have hitherto shown themselves unwilling to extend reservation. So that if Working Plans are made they must embrace tracts of unclassed forests where the rights are unknown and unrecorded and where the grazing restrictions are not likely to fulfil forest requirements.

In these rakhs no very scientific forestry is required. Local Dehra trained Rangers can, under proper check, do the field work; the only difficulty is the grazing and the fitting of it in with the cuttings, and I fear that unless the grazing restrictions during the time young forest is growing up are made more rigid, it will be impossible to include areas of unclassed forest in the Working Plans. The subject is receiving local attention. In Multan many forests have been described compartment by compartment, the rotation decided upon, and the sequence of fellings, while we hope that an increase to the reserved area may be permitted. In Montgomery the area necessary to supply the railway, about 240 square miles, has been roughly mapped, divided into large blocks and estimated, and the question is being considered whether the restrictions to grazing granted by Sir James Lyall in 1889 over the unclassed portion of about a lakh of acres will permit of a regular programme of working being adopted.

Workng Plan for Hazára Forests.

27. A Working Plan is needed for the Khanpur Rakhs (50 square miles) of the Hazára Division. Here again no difficulties of forestry exist, and when we have arranged for a system of roads and found the money for their construction, without which much of these forests cannot be exploited, the preparation of the Plan will speedily follow. The difficulty is financial, and the work is the planning and estimating of the road system, not an easy task in this very broken country.

In the Dungagalli Range of the Hazára Forests, 60 square miles, a Working Plan is certainly needed, but does not press, for the demand is far below the possible annual output.

The Siran Forests of Hazára, 30 square miles, resemble the Khanpur Rakhs in requiring a road system, but the material exploitable is more valuable, while the inaccessibility and distance from markets are greater.

Working Plan for plains rakhs.

28. Next in order should come the forests of the Jhelum Salt Range, the Pabbi Forest in Gujránwála, and the plains rakhs of Shahpur for which a Forest Settlement is under consideration.

For the great mass of the rakhs of the Ráwalpindi, Jhelum, Chenáb and Lahore Divisions, I fear that the grazing necessities of the adjacent population quite preclude the possibility of arranging for systematic exploitation of the produce other than grass.

Proposals for future working.

29. The above sounds a formidable programme of what should be done in the way of Working Plans, but I think that it is more the consideration of administrative points that delays progress than want of establishment. Outside the hills, Local Officers could and should do most of the Working Plan work.

On the re-establishment of the Working Plans Division on the return from furlough of Mr. Reuther in December 1893, the Kulu and Kángra Forests, if the Forest Settlements are by that time disposed of, will be at once taken in hand, Kulu in the summer and Kángra in the winter. The Hazára Divisional Officer will do much towards the work in Khanpur and Dungagalli, and the Montgomery and Multan Officers continue the work already begun. More than this we cannot hope to undertake just now.

Revision of Chamba Working Plan.

30. The preliminary proposals for the revision of the Chamba Working Plan are already with the Inspector-General of Forests.

Control Books.

31. The control of Working Plans is maintained by Forms 2 and 3. These forms are carefully kept up, not only for all forests for which Working Plans exist but for all forests or groups of forests of every description in every Division, which are managed by us under annual plans of operations.

(b). *Annual plans of Operations.*

General.

32. The plans of operations for 1892-93 were in the main acted up to. The principal deviations will be noticed under the proper headings.

Owing to the plans being prepared for the financial year ending 31st March 1893, no comparison can be made between the works executed in the last three months of the period under review and the projects of the plans for 1893-94.

II.—Working of the Year.

(a). *Communications and Buildings.*

Buildings.

33. Form No. 51 shows the work done during the year under the heads of Buildings and Roads separately for new work and repairs.

The expenditure on buildings as compared with the previous year was as follows :—

	New work.	Repairs.	Total.
	Rs.	Rs.	Rs.
Forest year 1892-93	3,250	6,132	9,382
Financial year 1891-92	4,031	4,201	8,232

Of this sum Rs. 7,508 were spent in the financial year 1892-93 and Rs. 1,874 in the three months subsequent. In Chamba Division Rs. 2,794 were expended including the commencement of two new forest rest-houses and Rs. 1,508 spent on repairs.

Rupees 1,072 were spent in Ráwalpindi on repairs, principally on the Forest house and office establishment quarters at Goragalli.

Rupees 660 were spent in Jhelum Division as against Rs. 343 in the last year, this increase being due to the heavy rains of 1892, which did considerable damage.

Rupees 279 were spent in Ambala Division on new works in connection with the Phillour and Kalesar bungalows. The land for the new rest-house at Kalesar is in process of acquisition and building will be commenced immediately.

Roads and bridges.

34. The following expenditure was incurred on roads and bridges during the last two years :—

	New work.	Repairs.	Total.
	Rs.	Rs.	Rs.
Forest year 1892-93	3,773	3,055	6,828
Financial year 1891-92	5,163	3,628	8,791

The expenditure under new work is for the construction of 48 miles of roads and paths, while 474 miles were repaired. As in buildings the largest item is in Chamba Division in which Rs. 3,723 were expended in the Upper Rávi Forests on extension of bridle paths by 35 miles and on the repair of 148 miles.

In Bashahr 11 miles of new roads were made at a cost of Rs. 979, while 107 miles were repaired for Rs. 822.

(*b*). *Protection of Forests from Injury.*

(1). General Protection and Breaches of Forest Law.

Forest offences.

35. The annexed statement shows the number and different classes of forest offences during the 15 months under report and compares them with those of the previous year:—

Nature of Offences.	Number.		Increase	Decrease.
	Financial year, 1891-92.	Forest year, 1892-93.	In 1892-93.	
Injury to forests by fire	64	104	40	...
Unauthorised felling, &c.	774	576	...	198
Grazing without permission	335	371	36	...
Other offences	142	205	63	...
Total	1,315	1,256	139	198

This shows a net decrease of 59 cases as against an increase of 104 cases in 1891-92.

The principal decrease in the present year was in unauthorised fellings in Kulu, Hazára and Ráwalpindi Divisions.

Injury by fires has increased by 40, chiefly in Kulu and Bashahr, while other offences have increased by 63, mainly under the head of illicit Korali cultivation in Bashahr.

Other offences comprise the following:—

Rescue of cattle	29
Illicit cultivation	99
Breaches of river rules	20
Assault	7
Shooting without license	15
Miscellaneous	35
Total	205

1,392 cases were taken into Court during the 15 months, and out of these 994 resulted in the accused being convicted, or only 71·4 per cent. as against 77·8 in last year, and 82·0 in 1890-91.

The highest percentages were obtained in Chamba and Kángra for which the figures are 97 and 91, respectively. While in Bashahr only 44 per cent. resulted in convictions as against 71 last year. This fall, as well as that in Multan from 93 to 78, principally explains the reduction in the total percentages for the Province noted above.

Pending cases have been reduced by 202 from 535 to 333. This has been principally effected in Montgomery where a large number of old cases entered in the registers have been abandoned, partly owing to the offenders having absconded and partly to the cases themselves not being traceable.

261 cases in Bashahr were pending at the close of the year as against 265 for the previous year. The large number is this year due to many cases having been reported towards the close of the year which the Divisional Officer has not had time to dispose of.

Cases compounded.

36. The following statement shows the number of cases compounded under Section 67 of the Forest Act and the average amounts received:—

Division.	1891-92.	Forest year (1892-93).		Average amount of compensation in each case.	Number of persons implicated.	Average per head.
	Number of offences.	Number of offences.	Amount for which compounded.			
			Rs. a. p.	Rs. a. p.		Rs. a. p.
Ráwalpindi	191	585	2,040 12 0	3 7 10	934	2 11 11
Jhelum	382	529	1,250 5 0	2 5 9	784	1 9 6
Chenáb	48	72	194 9 6	2 11 3	122	1 9 6
Lahore	9	60	272 9 0	4 8 8	155	1 12 1
Multan	15	32	47 4 0	1 7 7	51	0 14 10
Ambala	...	1	0 8 0	0 8 0	1	0 8 0
Simla	3	...	.	...	...	...
Total	648	1,279	3,805 15 6	2 15 7	2,047	1 13 9
Total for 1891-92 ..	909	648	1,647 13 6	2 8 8	930	1 12 4

These figures show that while the average amount realised in each case and for each person has remained much the same, the number of cases disposed of has been nearly doubled, mainly in Ráwalpindi and Jhelum. The increase in the former Division is due to the great decrease in last year's figures for reasons given in para. 19 of the Report for that year. The practice therein mentioned has now been reverted to with the above results.

The registers of cases compounded are always examined by the Conservator on the occasion of his Office inspections, but no infringement of the instructions laid down in Financial Commissioner's Circular 56 has been observed.

(2). Protection from Fire.

Forest fires.

37. Form 53 shows that the year under review was wonderfully free from fires. This was due to the late winter in the hills, keeping the snow line very low until the most dangerous season had passed, and generally to the copious and early rains. The patrolling establishment was in many places hardly needed, and nothing that occurred during the year teaches us anything new in the way of fire protection.

The explanation called for in para. 6 of His Honour's Review of the Annual Report for 1891-92 is that only 5 out of 69 cases referred to the Deputy Commissioner of Hazára had been decided at the time of writing the Report. It appears that subsequently in 25 more cases fines aggregating Rs. 4,727 were levied and in one case imprisonment was inflicted.

My apologies are therefore due, and are herewith tendered to the Deputy Commissioner of Hazára for the reflection that he took up too few of the fire cases submitted to him.

I have only just learned about the remaining cases.

The following two statements exhibit in abstract form the results of the year's fire protection :—

Abstract showing areas (in acres) burnt and unburnt.

	Reserves.	Protected forests.	Unclassed State forests.	Total.	Grand Total.	Percentage of area involved.	Percentage of entire area.
Areas of which the protection was attempted but which were burnt (Form No. 53)	480	...	143	623	...	0·34	0·01
Other areas burnt	194	...	2,054	2,248	...	0·06	0·06
Total areas burnt ...	674	...	2,197	2,871	2,871	...	0·07
Areas successfully protected (Form No. 53)	1,15,001	...	67,968	1,82,969	...	99 66	4·73
Other areas which escaped burning ...	9,42,325	43,264	25,58,491	35,44,080	..	99 94	91 49
Total areas unburnt	10,57,326	43,264	26,26,459	37,27,049	37,27,049	...	96·22
Areas on the books but not under the management of the Forest Department	59,519	84,142	...	1,43,661	1,43,661	...	3·71
Total area of Forests of all classes (Form No. 46)	11,17,519	1,27,406	26,28,656	38,73,581	38,73,581	...	100·00

Number of fires and areas burnt in each Division.

Divisions.	Number of fires.		Areas burnt in acres.					
			1891-92.			1892-93.		
	1891-92.	1892-93	Specially protected (Form 53).	Other areas.	Total.	Specially protected (Form 53).	Other areas.	Total.
Hazára	69	6	19,030	1,269	20,299	114	43	157
Ráwalpindi	43	...	684	6,031	6,715	...	...	...
Chamba	14	1	23	325	348	...	8	8
Kángra	17	1	1,114	215	1,329	...	2	2
Kulu	68	20	1,890	8.406	10,296	5	444	449
Bashahr...	22	9	30	3,551	3,581	1	337	338
Jhelum	...	...	...	...	...	...	...	...
Chenáb	5	5	...	171	171	...	66	66
Lahore	21	7	...	957	957	...	320	320
Multan	15	8	783	965	1,748	138	1,021	1,159
Montgomery	4	3	37	52	89	365	7	372
Ambala	10	...	3	5,460	5,463	...	...	...
Simla Hill Tracts	6	1	..	112	112	...	...	..
Total	294	61	23,594	27,514	51,108	623	2,248	2,871

(3). Regulation of Grazing and Protection from Cattle.

38. The two new forms which have been introduced (Nos. 54 and 55) to exhibit the regulation of grazing being the first of their kind, there can be no comparison with last year from the same point of view.

Forms No. 54 and No. 55.

These forms are not well suited to show the particular kinds of grazing which prevail in the Punjab, but in the former the entries have been made as accurately as possible with qualifying remarks.

The following statement gives for the last five years the areas available for the regulation of grazing and those entirely or partially closed:—

	1888-89.		1889-90.		1890-91.		1891-92.		1892-93.	
Area available in square miles ...	5,955		5,972		5,964		(a) 5,939		(b) 5,880	
	Closed		*Closed*		*Closed*		*Closed*		*Closed*	
	Entirely.	Partially	Entirely.	Partially	Entirely.	Partially	Entirely.	Partially	Entirely	Partially
	818	748	814	868	885	866	848	894	856	775
Total area of square miles affected ...	1,566		1,682		1,751		1,742		1,631	
Percentage closed ...	26 2		28·1		29·3		29·3		28 0	

(a). Exclusive of 131 square miles of civil protected forests.

(b). Exclusive of 223 square miles of military and civil reserves and protected forests.

39. This shows that the percentage closed has fallen in the year under report by 1·3 per cent. from the figure for the two preceding years.

Changes during the year.

The gross area available for grazing has fallen by 109 square miles. This decrease has fallen upon the closed area, while the open area has remained constant.

Of closed areas, we have lost 61 square miles of reserves in the Chenáb Division and we have thrown 55 square miles in Lahore open to grazing.

Of open areas, we have lost 282 square miles of Protected forests in the Chenáb Division, while in compensation we have received 114 square miles of new rakhs in Ráwalpindi, 80 in Chenáb, 50 in Jhelum, and the 55 square miles above-mentioned from Lahore.

Thus, while the percentage of open area remains about the same, that of the closed areas has fallen.

40. The regulation of grazing properly so called is as follows:—

Regulation of grazing.

In the more lax systems such as prevail in Multan, Montgomery and Jhang, the grazing revenue or tirni of the district is assessed by the Deputy Commissioner for a fixed number of years on the number of cattle, &c., in each village, the Forest Department receiving a certain share of the tirni according to the proportion out of the total grazing grounds of the District which is under the Department.

In other Districts such as Jhelum, Shahpur and Gujránwála, another system is in force; but here also the entire management of the grazing of the district is under the control of the Deputy Commissioner. The immense majority of the forests are put up to auction by lease by the Deputy Commissioner at his Cutcherry; an advantage of this system is, that mere speculators are precluded from becoming grazing lessees, while the tenders of village communities are as a rule accepted.

The remainder of the rakhs are held back with the approval of the Deputy Commissioner as a sort of reserve. These are worked departmentally on the permit system.

In some cases they may be opened every alternate month or two months, in others they are kept closed during the rainy season to ensure a good crop of grass, in other cases again they may be opened or closed when required according to the fluctuations of the season.

In the Reserved forests in the hills the grazing is under the control of the Forest Department and is regulated mainly on sylvicultural principles as in Hazára for the clearing away of a dense undergrowth of shrubby and herbaceous plants.

Grass-cutting.

41. In forests too which are closed to grazing, grass-cutting is still permitted and fodder is consequently available for the cattle. In very rare cases the cutting of grass is not allowed because the wood crop is too young to spare any shelter or in order that the crop may decay and manure the soil. Grass-cutting has this advantage over grazing that every maund of grass in the former case is available for fodder, while in the latter a considerable proportion is trodden under foot and rendered unfit for consumption.

Cattle trespass.

42. The statement of animals impounded during the fifteen months shows 41,672 against 36,198 in 1891-92. Considering that the former figure is for fifteen months, there is no increase in equal periods.

The only real increases have been in Kángra, Multan, Chenáb and Simla, and the causes have been due to the ordinary accidents of earlier and later closing, to the more or less favourable season, or to the supervision being improved.

(c). *Improvement of Forest Growth.*

(1). Natural Reproduction.

General remarks.

43. Owing to the abundant rainfall in the summer of 1892, the year has been universally favourable to natural reproduction all over the Province.

In the hills, the heavy snowfall of the winter of 1892-93, and the cool summer of 1893 have been additional factors in the excellent results reported.

Hazára.

44. Mr. Gisborne Smith reports that natural reproduction of silver fir is not so deficient as has generally been supposed. It is worst on the higher and moister slopes where dense undergrowth prevails. In a few selected places, a certain amount of grazing, under strict regulation has been permitted, as the cheapest way of keeping down this undergrowth. In Kághán natural reproduction of deodár is good, especially where light grazing takes place.

Ráwalpindi.

45. The absence of fires for now three successive years has had a most marked effect on the vegetation in the Murree and Kahúta hills. And Mr. Forrest also states that the damage from grazing is not so great as is generally supposed, because in these hills the grazing is, as yet, light.

Chamba.

46. All that Mr. McIntire has to say on this subject is always interesting and I agree with him that light grazing to keep down the rank herbaceous growth, which is the greatest enemy the young deodár seedling has, is not only permissible but necessary. Grazing of kine on steep hill slopes can never be heavy as it is in the plains where animals herd together; and when the numbers and the seasons of admittance can be regulated, grazing may often be permitted, in the hills only, where we have been in the habit of rigorously excluding it. It was noticed that the ground near seed-bearers, the seed being plentiful, was often more covered with seedlings when the soil had not been wounded or terraced than where these works had been undertaken. This seems to point to the abandonment of the idea of preparing the soil for the reception of naturally deposited seed. I quote the following from the Divisional Report as well worthy of attention.

47. "But no practical plan of saving such seedlings from destruction, such as "has overtaken nearly all germinating in previous years, has been thought out. It has "been noticed that shade does not seem to hinder the germination of such seedlings "whatever its results may be as they grow older. And as most, or nearly all of the "seedlings are well rooted in the soil, it is difficult to believe that they die out mainly be-"cause they germinate among dead leaves and vegetable humus, which are usually far "from covering up the soil to any considerable depth. Also, as the death-rate from "drought in deodár nurseries sown in exposed places is generally small, it cannot be sup-"posed that drought is the principal obstacle to their establishment. There seems to be "no way out of supposing that the principal reason why so few deodár seedlings establish "themselves is that in most situations they are at first incapable of fighting other forms of "vegetation which are produced."

"In the Kálatop Forest, the seedlings of spruce and silver fir on the contrary, at "ordinary elevations seem capable of establishing themselves amongst, and growing "through other vegetation."

This is just what the silver fir in the Dungagalli Range of Hazára does not appear able to do.

Kángra.

48. In Kángra natural reproduction has been materially improved in the Chil and bamboo forests by the removal of dense undergrowth, and in the bamboo forests by the exclusion of grazing during the three rainy months.

Kulu.

In Kulu, the deodár seeded profusely, and owing to favourable climatic reasons the show of natural seedlings is said to be magnificent, in places whole nurseries of self-sown deodár having been formed. The Divisional Officer still complains of the excessive grazing by sheep and goats.

Bashahr.

49. The report from Bashahr is also interesting and the rapid spread of the blue pine forming pure forest over formerly treeless tracts is remarked on at length. Mr. Minniken also notices what has been frequently observed on previous occasions in Chamba, *viz.*, that where the deodár in a mixed forest is rare, there is little hope of perpetuating it. This is especially the case in cold and moist situations where rank vegetation prevails and is the reason why we are very cautiously admitting a little grazing in such places. Pure forests of blue pine also are peculiarly liable to injury and even destruction by insect pests, and the artificial intermixture of deodar with this pine would be a very good measure.

Plains Divisions.

50. In the plains all Divisions report a favourable season. Natural reproduction in Multan and Montgomery has been profuse owing to the extensive areas flooded, and the growth of already existing forest is remarkable. On the other hand, many sissu forests in islands and on the banks of the Jhelum and Chenáb Rivers have been killed outright by being flooded for days together under several feet of water.

In Kalesar, as elsewhere, the growth of the coppice under the absence of fire and the copious rain has been all that could be desired.

(2). Artificial Reproduction.

General remarks.

51. In Form 56 I have struck out the Chánga Mánga and Sháhdara forests and the Sholtu and Manali orchards under the permission conveyed in para. 9 of the Government of India Review of last year's annual report, and the question of striking out of the Form a host of other small plots called plantations is still under consideration for submission to the Local Government.

Irrigation in Changa Mánga.

52. The decrease in the expenditure including Chánga Mánga is due to the completion last year of the revised irrigation scheme for Chánga Mánga, for which we were paying the Public Works Department. The results of these improvements are only just becoming perceptible. Perfect comparison between two years is not yet possible, for improved irrigation only went on for a portion of the year under review. But to show what may be expected, the following figures are quoted. Out of 9,080 acres, being the irrigable portion of the Chánga Mánga forest, there were watered during the financial year 1892-93:—

8,399 acres once,
5,161 acres twice,
883 acres three times,
110 acres four times,

against, for the financial year 1891-92:—

7,883 acres once,
1,673 acres twice,
124 acres three times,

while during the first three months of the financial year 1893-94 the waterings have been:—

7,747 acres once,
915 acres twice.

Sub-head AVIIIc shows a total of Rs. 42,448. It was by an oversight of mine that the Chánga Mánga working was retained under this sub-head instead of being placed under AI*a*, AI*b* and AVIIc. Excluding Chánga Mánga then, it is seen that the expenditure on plantation is Rs. 8,903. This figure is much nearer the real value of plantation work per annum in the Punjab, and is really too high, for it represents fifteen months' work.

Regular plantations.

53. Of this sum, the heaviest item is Rs. 1,996 on the Dagshai, Subáthu and Jutogh plantations. The debtor and creditor account of these plantations now stands, since the commencement of operations, thus:—

		Dagshai.	*Subáthu.*	*Jutogh.*
		Rs.	Rs.	Rs.
Charges	...	15,375	15,251	637
Receipts	...	3,514	11,134	651

Cultural operations.

54. In Kángra, the increase of bamboo plantation received considerable attention and arrangements were made in the nurseries for still further expansion of this kind of work.

In Chamba, Bashahr and Ráwalpindi, the plantation work is all laid down in the working plans, and in Chenáb, the expenditure is due to the Robinia and Albizzia plantations detailed under Experiments but chargeable to this head. The planting work in other localities is insignificant.

(3). Early thinnings.

Early thinnings.

55. The only instance of real early thinnings occurs in Chamba where dense thickets of young deodár are, as an experiment, being thinned out in the Kalatop forest, but these thickets are of very small extent and are only occasionally met with.

(4). Other operations for the improvement of the growing stock.

Chamba.

56. The reports on the fellings such as go on in the Chamba and other deodár forests of ringing oak and other trees to benefit the deodár, are not very enthusiastic, and as no marked improvement has been observed in trees thus uncovered to increased light, some officers are becoming sceptical as to the scope there is in these forests for this operation.

(5). Experiments.

Albizzia and Robinia sowings.

57. By far the most interesting and perhaps the most important experiment is that with the European Robinia pseudo-acacia and Australian Albizzia lophanta. I have previously explained that I did not particularly care to spend much money or trouble on the introduction of these species in the higher hills, although they are being supplied to those places in small quantities. But I am very desirous of finding some species which will assist us in stocking up our forests in the low hills up to 4,000 feet. Previous experiments had been decidedly unsatisfactory in results, but I was convinced that the plants had, in most places where they had been tried, not received fair play. No proper trouble was taken to cultivate them and the nursery treatment was certainly neglected. In the situations I particularly desired success, nothing was done beyond sowing the seed in indifferently prepared nurseries and then abandoning it.

Work of the year.

58. For this year however I am glad to report a very decided improvement both in the interest and care taken, and in the result.

In the Pabbi I found last January a few plants still alive in the nursery in which they had been sown in the previous rains: they had never been re-bedded or cared for in the least, and consequently had very long tap roots.

The weather being favourable I had them re-bedded at once before me, only 3 out of 400 Robinias and 21 out of 736 Albizzias succumbing under the operation.

Further progress.

59. They made such progress in the new beds that at the end of February they again required re-bedding; unfortunately my orders had again been neglected, they had been steadily watered when they did not require water, and were far too delicate for forest plants and their numbers fell to 340 and 500. These are now all alive and well: and, notwithstanding mistakes, I am convinced that the nursery treatment of the two species, especially of the Robinia, is perfectly easy. The Robinia grows much faster than the Albizzia, and in June 1893 had reached the dimensions I had fixed for its being transplanted out. They were put out in pits 15 feet apart and have now made remarkable progress in their final homes. All the 340 are alive and well. I consider these results very promising for the extension and success of the Robinia in the Pabbi.

Jhelum.

60. The sowing in the Jhelum Salt Range of July 1892 completely failed; the germination was good, but the plants were neglected and the survivors were all eaten by insects.

Simla hills.

61. At Dagshai, both species failed completely, but in Mr. Hart's opinion, entirely from neglect and wrong treatment on the part of the Forester in charge. He is anxious to continue the experiment here, as the success obtained at Simla and Jutogh has been so good.

At Subáthu a certain amount of success has been obtained, but here also the neglect and improper treatment are accountable for the poor results.

At Jutogh the success has been very satisfactory, some 2,000 Robinias being established and flourishing.

Proposals.

62. I am a little doubtful whether we should extend the Robinia at the higher hill stations, on a large scale. It must be remembered that although we may have at these elevations mastered the nursery and planting out treatment, we have no evidence of the quality of the timber these trees will give us. As long as they are propagated in hill stations from the point of view of the landscape or even of planting up bare spots, there is no objection to their cultivation. But when it becomes a question of laying out extensive Government plantations and sinking fairly large sums of money on them, I do not think we are justified in moving until we know what quality of wood we are rearing. Exotics do not always give the results obtained from them in the countries where they are indigenous, as witness the Weymouth pine introduced into France from America and the larch fir into Scotland from the Tyrol.

63. These considerations have not the same force in places like the Pabbi and the Jhelum Salt Range. Here the first thing is to get something to grow and persist, whether its quality as a timber is good or bad. We want to render the forest more dense to protect the soil from the sun and retain moisture, and even if the timber of the Robinia proves inferior we may introduce it largely in such places if we can get it to succeed, and look to our indigenous phulai and olive for superior produce.

Sowings in the lower hills.

64. A large amount of seed was again put down in June 1893 and the following month. This time the nursery work leaves nothing to be desired. The reports up to date, since the expiry of the Forest year, show that germination was splendid, that the young plants are attacked by black ants, and especially by an insect (which has been sent to Dehra for indentification) resembling a cricket which nips the young seedlings in two, but that with care and watchfulness these pests can be dealt with. But the greatest calamity was the heavy rain about August. The rain is described as descending in torrents, breaking the nursery "bunds," washing away the plants, and quite wrecking the nursery. Out of three nurseries in Jhelum one was completely ruined. But large numbers of seedlings remain, and the sowings of 1893 may be looked upon as eminently satisfactory.

Rains sowings of 1893.

65. I am concentrating all operations on a large scale on the two last named localities, *viz.*, the Pabbi and one or two of the Jhelum Rakhs. If we continue to succeed we may take up places like Kalachitta and Khanpur in Hazára. But to other places, and especially to the higher hills I only supply small quantities of seed as there is nothing to show that these species would, with the same trouble and expense, do any better for forest purposes than indigenous trees.

Localities in which work is proposed.

66. All other experiments with exotics are on a very small scale, and there is hardly any information worthy of record.

Other experiments.

In Bashahr the cultivation of the Spanish chestnut continues and considerable numbers were distributed to villages and private individuals.

In Chánga Mánga a small plot was prepared for the cultivation of some of the better grasses, but the experiment is not yet sufficiently advanced to report upon.

(*d*). *Exploitation of Major Forest Produce.*

(1). Clear or Regeneration Fellings.

67. The only operation which can be classed as a clear felling was the cutting of the areas known as the Bághrián and Mullanwál plantations in the Gurdáspur District, Kángra Division. The entire standing crop on these lands was cut, and, under the orders of Government, the land was transferred to the Deputy Commissioner for disposal for cultivation.

Clear fellings.

(2). Selection Fellings.

68. Under the head of selection fellings are classed all the exploitation fellings of deodar, &c.

Selection felling in hill forests.

The work is done departmentally in the Kaghan Forests of Hazára, in the Chamba, Kángra, Kulu, and Bashahr Forests and in the Kalela Forest in Kotkhai.

In Ráwalpindi similar work is done entirely by disposal to merchants.

In Chamba, Ráwalpindi and Bashahr, these fellings are regulated by sanctioned Working Plans. In Kághan and Kulu there are as yet no Working Plans, but the fellings are limited to a certain number of trees per annum in each Division or tract on estimates of annual outturn fixed many years ago. As it was usually found that similarly worked forests had, on the making of a Working Plan, been over exploited, in other words that the old estimates had been pitched too high, the estimate for Kulu has been considerably lowered for the last two years, and that for Kághan would have been lowered also but for the constant expectation during this period that a regular Working Plan would very shortly settle the amount of the annual outturn.

69. In Kángra, there are no Working Plans, but the fellings cannot be classed entirely as unregulated. There is a sort of estimate. The Divisional Officer himself selects or supervises the selection of all that is considered mature and exploitable over particular forests specially selected every year, and such considerations as the market requirements, the market rates, and the avoidance of violent fluctuations from the fellings of other years, are also taken into account. The selected trees are all sold standing to timber merchants, or handed over to right-holders according to the settlement made by Mr. Anderson, which, although not ratified by Government is actually acted up to.

Kángra.

70. In the Chenáb Division the van timber (*Salvadora oleoides*) on an area of 1,619 acres in the Bhera Range was sold to a merchant. The regulation was here the entire crop of exploitable van trees. As we have seldom much demand for this species advantage was taken of the opportunity to dispose of as much as we could. The area being fixed and all exploitable material removed, the operation must be classed as a regulated one.

Chenáb.

(3). Improvement Fellings.

71. Out of the 255 acres in Kalesar to be felled this year all but 30 acres were finished, when the work had to be stopped as the growing season had commenced. Great difficulties were experienced in collecting and retaining the necessary labour and the unusually wet winter constantly interrupted the work. What was done however was in strict accordance with the Working Plan.

Kalesar.

(4). Coppice Fellings.

72. In Ráwalpindi 1,381 acres in the Kerl, Daloh and Patriata Reserves in the Murree and Kahúta hills were felled according to the Working Plan of the year 1892-93 and 910 acres of arrears of previous years were worked off. All these are exploited by timber merchants.

General remarks.

In the Chánga Mánga and Shahdara Forests of Lahore, compartments Nos. 77 to 94 of the former and No. 7 of the latter were felled and exploited departmentally.

In Montgomery 1,166 acres of Reserves and 4,515 acres of unclassed forests, and in Multan 2,666 acres of Reserves and 200 of unclassed forest were felled on the system of simple coppice for the Railway fuel supply.

73. The comparative statement of the growth of sissu on the artificially irrigated land at Chánga Mánga and on the Salába land of Sháhdara in the form given in the Provincial Annual Report for 1890-91, para. 52, is given below :—

Locality.	Area cut.	Nature of felling.	Yield of each class of wood.					Total yield c. ft. solid.	Total average per acre c. ft. solid.	Mean annual production c. ft. solid.	
			Timber.	Fuel under 2" diam.		Fuel over 2" diam.					
				Cubic feet stacked.	Equivalent in c. ft. solid.	Cubic feet. stacked.	Equivalent in c. ft. solid.				
Chánga Mánga	565	Clearance felling, reserving 45 standards per acre ...	2,760	224,740	26,969	958,440	412,120	441,858	781	43·9	50·0
Do.		Thinnings (Previous). ...	23	9,600	1,152	140,362	60,356	61,531	109	6·1	
Sháhdara ..	75	Clearance felling, reserving 10 to 20 standards ...	1,253	24,343	2,921	146,036	63,195	67,369	898	56·1	70·5
Do.		Thinnings ..	...	...	...	40,344	17,348	17,348	231	14·4	

(5). Unregulated Fellings.

74. In Hazára a little felling is carried on departmentally, but without any sylvicultural method, in the Dungagalli Forests, for supplying the small depôt at Abbottabad and in the Gallies. Some of the material is converted into scantlings and planks and some into charcoal. Other fellings again take place in the same forests, but equally without any method, only the produce is sold to merchants who dispose of it. In Lahore a few kikar trees were felled, stubbed out and sold, from Rakhs Kathiála and Baoli Lehna Singh, 40 from the first and 20 from the second. In all Divisions, especially in the plains, the cutting of dry trees is carried out. In the Chenáb Division an area of 55 acres of Reserve Thatta Fakirulla burnt last season was cut out, and 83 acres of bela in imminent danger of being washed away were cleared and the produce realised.

General remarks.

(e).—*Extraction and Transport of Major Forest Produce by Land and Water.*

75. The forests held an unlaunched balance of 1,777 deodar logs, to which were added during the year 2,471 logs, including 596 from wind fallen trees; of the total 2,703 were launched, leaving a balance in the forests of 1,545 logs.

Hazára launchings.

Of blue pine the forest stock was 4 trees, to which were added 216 from the forests, 188 were converted into 745 logs, and 32 trees remained in the forest. The 745 logs were added to 233 unlaunched logs in the forest, only 287 were launched during the year.

Land transports in Hazára

76. The Dungagalli forests yielded 11,033 cubic feet, of which 2,437 cubic feet were sawn scantlings, 1,191 were converted into shingles, and 7,405 into charcoal. All this produce was taken to local depôts in the Gallies, and at Abbottabad and there retailed. 11,920 cubic feet of fuel were also brought to depôt from forests, and of the 1,35,794 cubic feet, extracted by timber merchants and purchasers, 53,326 were sold in the form of 146 trees and 82,468 as firewood.

Ráwalpindi.

77. There is no work carried on in the Ráwalpindi Division departmentally, except a little from the Murree forests. Nearly everything is sold standing to purchasers and merchants, and cut, converted, and carried away by them for retail sale, and for consumption. The statement in Appendix VII exhibits the distribution of timber and fuel extracted from the different groups of forests. The produce of the Murree Forests goes to the stations of Murree and Ráwalpindi, that of the Kahúta Forests to the large villages in the Chakwál and Talagang Tahsíls of the Jhelum District. Departmental operations were limited to the fuel fellings in Daleh Reserve.

Jhelum.

78. The statement in Appendix VII exhibits the distribution of timber and fuel extracted from the different groups of forests.

Jhelum depôt work.

79. The Jhelum depôt opened the year with a stock balance of 2,161 deodar and 469 blue pine logs, besides a few sleepers and pieces. 2,600 deodar and 819 blue pine were received from the river; 3,068 deodar and 608 blue pine logs inclusive of some drift timber were sold, and the stock at the close of the forest year contained 1,699 deodar and 681 blue pine logs with some sleepers and pieces.

Chenáb depôt work.

80. There was an opening balance of 190 deodar, 205 pine logs, 5 sleepers, and a few pieces in the Chenáb depôts at the commencement of the year. 57 deodar and 12 pine logs together with 54 sleepers were received from the river. The sales during the year amounted to 668 deodar, 561 pine logs, and 305 sleepers, including some drift timber transferred to Government account, and the balance at the close of the forest year was 19 deodar logs, 1 pine log, and 20 sleepers, with some pieces.

Chamba.

81. There are no arrears of exploitation in the Upper Rávi Forests, the prescribed number of 1,475 deodar, and 30 *Pinus excelsa* being felled, 1,134 deodar, in anticipation in 1891-92, and the remainder in 1892-93. The 1,475 deodar included 183 wind fallen and 45 dry trees. Up to 1890-91 it was customary to convert such wind fallen trees as appeared worth conversion and bring only the converted material on stock without considering it part of the yield; while dead trees were usually left untouched.

82. The 1,475 deodar compared as follows with the averages of 1891-92 :—

Average yield of deodar.

Year.	Diameter at breast height.	Gross cubical contents.	Capacity of log yielded.	Converted material.
1892-93	37·4	315 c. ft.	173 c. ft.	28 Scantlings=96 c. ft.
1891-92	38·2	327 „	212 „	26 Scantlings=89 „

showing a decided improvement in relative outturn of scantlings in 1892-93, due in some measure to improved conversion. As in previous years advance fellings have been made in certain forests, but no figures can be given as measurement can not be taken in the snow.

Most of the logs were converted into sleepers and scantlings, and the following statement shows the exploitation work carried on in the Upper Rávi Forests :—

Description.	Outturn available for launching.	Actually launched.
Deodar Scantlings	54,012	51,193
„ Logs	113	113
Blue Pine Scantlings	231	231
„ Logs	5	5
Fir Scantlings	477	100

83. To encourage the open market 35 fir trees were experimentally felled and converted with fairly satisfactory results, and 96,527 cubic feet of deodar were obtained from wind fallen trees and refuse chiefly in forests exploited in previous years, the yield in scantlings being 12,359 in number cubing 42,543 cubic feet of superior quality.

Fir experiments.

84. Government work was confined almost entirely to the conversion, into sleepers, of large numbers of waif logs which had been lying for years on the numerous islands of the Beás.

Kulu.

There was a balance of 20 deodar trees at the commencement of the year, to which 176 deodar and 24 pine trees were added during the year, making in all 196 deodar and 24 pine trees; all the deodar trees were converted into 1,935 sleepers, which are still in the forests. The 24 pine trees were used for departmental purposes. There were no launchings during the year.

85. Extraction in Kángra is conducted as in Ráwalpindi, that is to say, by direct sale of standing material to merchants, usually by auction.

Kángra.

86. The Kángra depôts commenced with an opening balance of 221 deodar and 1 blue pine log, 2,560 sleepers and a few other scantlings and pieces. During the year 691 deodar 23 pine logs and 193 sleepers were received from the river; 577 deodar, 5 pine logs and 2,703 sleepers were sold, and the balance at the close of the forest year contained 335 deodar, 19 pine logs and 50 sleepers with some other scantlings and pieces.

Kángra depôt work.

87. There was an unlaunched balance of 937 deodar, 154 pine logs and 4,130 sleepers in the forest at the commencement of the year; to which were added 12,890 deodar, 509 pine logs, 122 pieces, and 10,777 sleepers and scantlings including 2,176 deodar and 125 pine logs and 117 pieces as omissions from previous selection fellings. Of the total 8,172 deodar, 478 pine logs, 9,648 sleepers and 122 pieces were launched during the year; and 1,032 deodar logs were converted into 10,777 sleepers and scantlings; 110 deodár, 23 pine logs, and 968 scantlings were struck off as other true disposals, leaving a balance of 4,513 deodar, 162 pine logs and 4,291 sleepers and scantlings in the forests at the end of the forest year.

Bashahr.

88. Of the gross yield of the Ambala Division, the statement in chapter III shows the out-put from the improvement felling area of the Kalesar Reserve, and it will be seen that the outturn per acre in timber has been slightly below the Working Plan Estimate, while that in fuel has been five times as great. I have not yet had opportunity to visit the fellings, but at first sight the suspicion is natural that the actual removal of material has been far heavier than the framers of the Working Plan contemplated. Of the yield in timber of 6,149 cubic feet, the disposals by sale have been 4,950 cubic feet; of the yield in fuel of 1,79,010 cubic feet stacked, 38,500 cubic feet stacked were converted into charcoal. The unconverted balance of fuel was collected and removed, and stacked, but is still on our hands.

Ambala.

89. Of the charcoal yield of 2,589 maunds 15 seers, 877 maunds 28 seers have been sold, 24 maunds 5 seers used departmentally, 1,135 maunds 30 seers are in stock at Kalesar, and 575 maunds 37 seers in stock at Jagádhri. The disposals by sale have not then been much, but it must be remembered that we were not prepared for this formidable out-put of fuel; we could not within the time convert it all into charcoal, (for it was never intended to dispose of it as fuel—in fact we could not have sold it as fuel); the season was so unfavourable that charcoal burning was considerably hampered and interfered with, and our resources were concentrated more on the clearing of the coupe according to the Working Plan than directed to manufacture of charcoal, its carriage to the centres of consumption, and retail there. We are moreover fairly hopeful of still disposing, at satisfactory rates, of all the fuel and timber balances on hand; only in the case of considerable disappointment in this direction, will the financial aspect of these improvement fellings be a cause of anxiety.

Charcoal in Kalesar.

90. The Ambala depôts started with an opening balance of 8,675 deodar, 1,078 pine logs and 288 sleepers with some scantlings and pieces. 5,809 deodar, 921 pine logs and 6,809 sleepers were received by river from the Bashahr Forests during the year; 4,924 deodar, 1,539 pine logs and 5,216 sleepers including some drift timber were sold, and the balance after some other disposals at the end of the forest year was 9,502 deodar, 458 pine logs, 1,939 sleepers, and a few scantlings and pieces.

Ambala depôt work.

91. The gross quantity of fuel in Chánga Mánga removed to the Railway Station was thick fuel, 15,00,859 cubic feet stacked, and 33,120 cubic feet stacked of thin fuel. The quantities transported from the forest by tramway were 10,55,118 cubic feet stacked thick and 13,660 cubic feet stacked thin and by cart 445,741 cubic feet stacked thick and 19,460 cubic feet stacked thin fuel.

Lahore.

The stock account shows :—

	Cubic feet.
Balance in hand	14,70,666
Receipts	15,29,787
Remeasurement	44,335
Total Receipts	15,74,122
Grand Total ...	30,44,788
Sold	10,07,032
Used Departmentally	330
Burnt in April	2,62,280
Total Disposals	12,69,642
Balance in hand at the end of year	17,75,146

The yield in timber of the compartments felled was 4,184 cubic feet, the balance at commencement of year was 4,583, the sales 5,880, and the closing balance 2,887. The felling of compartment 7 of Shahdara yielded 1,253 cubic feet of timber, of which 1,097 were sold during the year. The yield in fuel was 2,00,066 which added to a balance of 2,11,927, give a total of 4,11,993, of which 3,66,981 were sold and 450 used departmentally, leaving a balance of 44,562 cubic feet.

Chánga Mánga.

92. The yield of the year in fuel is made up of 9,58,440 thick, and 2,24,740 of thin fuel, from compartments 77 to 94, against a Working Plan estimate of 6,89,320 thick and 2,95,480 thin fuel ; windfalls all over the forest gave 3,34,607, and clearing for the new irrigation channels 12,000 cubic feet.

Shahdara.

93. The yield of compartment 7 in fuel was, 1,34,390 cubic feet of sissu and 11,346 of willow with 24,343 cubic feet of mixed thin fuel against a Working Plan estimate 90,000 cubic feet of wood over 2 inches in diameter.

The brushwood was sold for Rs 420.

Chánga Mánga tramway.

94. The following statement gives the work done by the Chánga Mánga tramway during the last two years :—

Year	Fuel transported in c. ft. stacked.			Cost.	Cost per 100 c. ft.
	Thick.	Thin.	Total.		
				Rs.	Rs. a. p.
1891-92	6,61,490	1,09,520	7,71,010	1,803	0 3 1¼
1892-93 (12 months)	8,62,778	13,360	8,76,138	2,449	0 4 5¼
1892-93 (15 months)	10,55,118	13,660	10,68,778	2,955	0 4 5¾

(*f*). *Exploitation of Minor Forest Produce.*

(1). Extraction of Fodder.

Receipts from grass.

95. The following statement shows the value of grass removed from the forests according to the different methods of exploitation :—

	Government agency.	Purchasers.	Free grants.	Right holders.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.
Reserved forests	5	36,707	30	3,365	40,107
Protected forests	...	...	...	...	...
Unclassed forests	730	4,613	2	61,851	67,196
Total ...	735	41,320	32	65,216	1,07,303
Total for 1891-92 ..	176	32,230	158	47,604	80,177

The increase of the figures for the year over those for 1891-92 are due to the former being for fifteen months instead of twelve.

The grass from the plantations at Dagshai and Sabathu have sold for Rs. 1,000 in each case.

(2). GRAZING.

Number of animals grazing.

96. From Form No. 55 it will be seen that Rs. 61,362 have been realised by the grazing of 3,45,903 animals on the permit system, but this sum does not refer to those areas which are leased to grazing from which a revenue of no less than Rs. 1,50,096 has been made. Over the number of cattle which grazed in these forests we have no check, but if the same rates be assumed as in the case of the permit system, this figure will correspond to about 10 lakhs of animals. Since, however, grazing by the lease is much cheaper to the cattle-owner than by the permit, it will be safe to say that 13 lakhs of animals grazed in the forests on the former system. Adding to these figures the number which grazed free, or at privileged rates; namely, 7,84,339, it will be seen that more than 23 lakhs of animals actually pastured in the forests under the Department.

	By Government agency.	By Purchasers	By Free grants.	By Right-holders.	Total.
	Rs.	Rs.	Rs	Rs.	Rs
Reserved forests	...	49,572	9	50,787	1,00,368
Protected forests	.	2,653	...	87,014	89,667
Unclassed forests	...	1,63,608	230	4,319	1,68 157
TOTAL ...	...	2,15,833	239	1,42,120	3,58,192
TOTAL FOR 1891 92 ...	...	1,86,711	327	1,43,204	3,30,242

Revenue from grazing.

97. The above statement shows the value of the grazing of the fifteen months compared with that of the preceding year. The increase in the present case is due to the figures being for fifteen months instead of twelve. The total for the twelve months 1892-93 compared with that for 1891-92, shows a loss of Rs. 25,000 due to the exclusion of the Háfizabad Protected Forests in the Chenab Division.

(3). MISCELLANEOUS PRODUCE.

Miscellaneous produce.

98. The following table shows the value of minor forest produce other than grass and grazing :—

	Government agency.	Purchasers	Free grants.	Right-holders.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.
Reserved forests	11,250	6,246	986	...	18,482
Protected forests	...	23	...	...	23
Unclassed forests	1,073	5,570	...	60,157	66,800
Total	12,323	11,839	986	60,157	85,305
TOTAL 1891-92	13,028	9,429	11,443	40,861	74,761

The decrease under free grants is due to the cessation of removal of stone for the Chenáb Weir. Miscellaneous produce removed by right-holders chiefly consists of vegetable mould in Kulu and branches for manure in Bashahr. The difference between the amounts for the two years is mainly due to inclusion of fifteen months figures in those for 1892-93.

There is a large variety of miscellaneous produce utilised in the Kulu Forests. In the Montgomery District 6,026 head loads of the seed of sawánk grass (a species of *Panicum*) were sold. The edible seed is largely eaten by the poor.

CHAPTER III.—GROSS YIELD AND OUTTURN OF FOREST PRODUCE.

Gross outturn.

99. The statements in Appendices V, VI and VII compare the total outturn of timber and firewood in cubic feet solid by Divisions according to (i) agency of exploitation, (ii) class of produce, and (iii) units; and the statements in Appendix VIII compare the outturn of the forest year as well as of the financial year with that of 1891-92.

Kalesar.

100. The chief points to notice about the Kalesar outturn are those brought out by a comparison of the actuals with the estimates of the Working Plan. Two hundred and twenty-five acres were cut over and the yield was—

Description.	Forest year 1892-93.		Prescriptions of the Working Plan.
	No.	C. ft.	
Tors	3,332	4,214	225 acres at 40 poles per acre.
Ballas	119	447	
Ballies	253	316	
Sawn timber	157	106	
Miscellaneous	531	1,066	
Total ...	4,392	6,149	
Firewood	...	1,40,510	225 acres at 150 cubic feet.
Charcoal	...	38,500	
Total ...	...	1,79,010 = 1,19,340 cubic feet solid.	

	Poles.	Sawn timber	Miscellaneous	Fuel.	Total.
Temporary felling area	4,977	106	1,066	1,19,340	1,25,489
Balance Kalesar Reserve unit	121	...	...	33	154
Total ...	5,098	106	1,066	119,373	1,25,643

Chánga Mánga.

101. The yield in fuel of the Chánga Mánga Forest was not disposed of to the North-Western Railway this year as has always hitherto been the case. The Railway did not see their way to paying the price demanded, so the produce was offered in the open market.

The results were extremely satisfactory. There were sold to the public 10,07,032 of stacked cubic feet against 61,210 in 1891-92 and 14,088 in 1890-91, and the prices realized this year in the open market yielded Rs. 11,589 more than would have been paid by the Railway had they accepted the rate demanded this year.

The result proves that the price asked from the Railway was not unreasonable, and that the supposition that there was really no purchaser for the Chánga Mánga fuel who was not a speculator for retail to the Railway is quite unfounded.

The large balance still in stock is due to arrear compartments having been felled to bring matters up to the Working Plan prescriptions, but if this balance as well as the new fellings of the year 1893-94 do not both readily sell, I shall stop Chánga Mánga fellings for a year, and there will be no harm in having one year's fellings as a reserve.

Removal of Produce by Purchasers.

Gross yield by purchasers.

102. The statement in Appendix IX shows the gross yield in timber and fuel exploited by purchasers and traders, compared with the last three years.

Detail by Divisions.

In Hazára the decrease is due to the supply from the fellings for the Murree water pipe road being exhausted.

In Ráwalpindi there was a decrease up to the end of the old financial year due to the extraction from Kálachitta of dry fuel being restricted and to the transfer to departmental agency of some of the Murree works aggregating 57,916 cubic feet, but in the first quarter of the financial year 1893-94 the amounts rose again.

In Jhelum the increase is attributed to larger sales from depôts.

In Chenáb the decrease is due to the loss of fellings in Háfizabad.

In Chamba the decrease is due to the sales by the Rája from unreserved forests, and to the exhaustion in the Kálatop Forests of the supplies of dead wind fallen stuff of the kind permit holders care to remove. It is found that the large amount of oak killed in improvement fellings, about 1880 to 1885 is hardly touched by permit holders. Contrary to expectation it has deteriorated considerably in value while it is no easier to cut up, so that neither Commissariat nor purchasers' coolies will touch it.

In Kángra the increase is due to the large amount of inferior stuff made available by improvement fellings.

In Kulu the decrease is attributed mainly to last year's figures being abnormally high owing to the large amount of the refuse of previous exploitations being disposed of at low rates to the people to clear the forests.

In Lahore the difference is due entirely to the extra three months of the forest year, during which an area of 200 acres of Rakh Aulakh was cleared before being leased for cultivation.

From Montgomery there has been received no explanation of the increase. It was probably due to the forest year.

In Multan the increase was due to the sale of wood from burnt forest in the Muzaffargarh District.

Minor Produce.

Minor produce.

103. The comparative value of minor forest produce for the last three years is also shown in the following statement, the details by Divisions being given in Appendix XI :—

Agency.	1890-91.	1891-92.	1892-93.		
			Financial year.	3 months.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.
Removed by Government Agency	13,061	13,204	12,213	845	13,058
" by purchasers	2,29,929	2,28,379	1,96,307	72,685	2,68,992
" under free grants	6,801	11,928	1,012	245	1,257
" by right-holders	2,27,128	2,31,669	2,40,524	26,969	2,67,493
Total ...	4,76,919	4,85,180	4,50,056	1,00,744	5,50,800

Imports.

Summary.

104. The detailed statement of imports forms Appendix XII at the end of this report. The following table gives an abstract of the figures of the forest year 1892-93, as well as those of he two previous years :—

Description of timber.	Financial year.		Forest year.
	1890 91.	1891 92.	1892-93.
Deodar Logs	16,273	38,916	22,199
Pine Logs	1,429	1,867	272
Sleepers	5,08,404	6,03,228	4,14,863

There has been a large falling-off in the number of deodar logs imported from Kashmír, both on the Chenáb and Rávi rivers. Imports of sleepers from Kashmír on the Chenáb have also decreased by more than two lakhs. This is said to be due to the fact that since the appointment of a Conservator in Kashmír His Highness the Mahárája and Rája Amar Singh have discontinued the practice of selling standing trees to traders.

CHAPTER IV.—FINANCIAL RESULTS.

General Summary.

105. Form No. 61 for the financial year shows gross revenue Rs. 8,12,632, gross expenditure Rs. 6,56,265 and surplus Rs. 1,56,367. In the following three months the receipts were Rs. 1,07,938 and expenditure Rs. 1,26,357. But no useful comparison can be made by considering the figures for the three months added to make the new forest year, for the expenditure is always high and the revenue low during the first quarter of every financial year.

Considering therefore only the financial year the surplus is the lowest since 1887-88, the gross revenue more than two lakhs of rupees lower than last year, though the average revenue for the last 16 years remains about the same *viz.* Rs. 8,12,189 for 15 years and Rs. 8,13,217 for 16 years. The gross expenditure is nearly Rs. 16,000 more than last year, almost entirely in B. Establishment. The deficiency of the revenue against last year's figures is made up of Rs. 1,40,000 under departmental and Rs. 3,000 under purchasers' timber, Rs. 7,000 departmental and Rs. 11,000 under purchasers' fuel, Rs. 1,400 under bamboos, Rs. 37,000 under grazing, and Rs. 9,000 under miscellaneous.

The falling-off in the timber revenue is due entirely to the dullness of the market. We have the stocks on hand which, if they had been sold, would have given us our estimated revenue. But prices were so low and there was so little inclination to buy that I preferred to withhold and not sell at forced prices.

Under Expenditure A. the only excess was under A V. due to the payments on settlement of account to the Rája of Chamba, and this sum was balanced by shorter disbursements of Rs. 2,000 under timber and Rs. 4,000 under fuel, Rs. 700 under stores, Rs. 4,300 under roads and buildings and Rs. 11,400 under Forest improvement. Under this last sub-head there were Rs. 2,000 more spent on surveys and Rs. 13,500 less on plantations due to the completion of the Chánga Mánga irrigation during the previous year.

Under B. Establishments, there has been an increase of Rs. 18,500, due to the reorganisation and acting allowances.

Financial results (Form No 65).

106. The usual comparison under the three main heads of work is given in Form 65, of which the following is an abstract:—

	Financial Year.				Forest Year, 1892-93.	
	1890-91.		1891-92.			
	Surplus.	Deficit.	Surplus.	Deficit.	Surplus.	Deficit.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I. Departmental timber operations.	1,10,551	...	3,31,873	...	1,46,749	
II. Other Revenue	1,95,284	...	2,30,328	...	1,96,469	...
III. Protection, &c.	...	1,74,009	...	1,82,401	...	2,05,270
Total ...	1,70,826	...	3,79,800	...	1,37,948	...

Outstandings of revenue (Form No 63).

107. The outstandings of revenue for the financial year amounted to Rs. 25,713, of which Rs. 21,452 were in Montgomery. The Rs. 18,424 outstanding last year in this Division were all recovered, except Rs. 427, and the new outstandings are as usual due to the tirni revenue not having yet come in.

For the forest year the outstandings are increased to Rs. 74,229, due almost entirely to the money for the grazing leases in the great grazing Divisions not having been as yet paid.

Outstandings against Contractors and Disbursers. (Form No. 64).

108. The amount outstanding against Contractors and Disbursers at the close of the financial and forest years were Rs. 14,858 and Rs 30,088 respectively, against Rs. 8,645 at the commencement of the year 1892-93. The greater proportion of this balance is in Bashahr Division. This money is mainly in the hands of the Divisional Treasurer, who has furnished a sufficient security.

Result of the years transactions.

109. The following is the result of the year's transactions:—

	Financial year, 1892-93. Rs.	Forest year, 1892-93. Rs.
Cash surplus (Form No. 61)	1,56,367	1,37,948
Add—		
Increase value of stock at depôts (Form No. 60)	...	96,881
Increase on outstanding revenue (Form No. 63)	...	47,869
Total increase	...	1,44,750
Deduct—		
Decreased value of stock at depôts (Form No. 60)	7,417	...
Decreased outstanding revenue (Form No. 63)	647	...
Total Decrease	8,064	...
Total in favour of the year	1,48,303	2,82,698

Results by Divisions.

110. The statement in Appendix XIII shows the results of the forest year after the adjustment of accounts for timber work.

CHAPTER V.—FOREST ADMINISTRATION.

Reorganization of Subordinate Establishment.

111. It was with very great disappointment that the news was received of the postponement, for financial reasons, of the reorganization of the subordinate staff. On all sides Deputy Commissioners are complaining of the Forest Establishment being too weak to guard the interests entrusted to them, and much discontent exists among the staff themselves at their small pay and indifferent prospects.

As for this discontent, which I have observed to be steadily on the increase during the last five years, I am in sympathy only to a certain extent. For, during this period there has certainly been expansion and men are now in positions and in receipts of pay of which they certainly had no prospect some years ago. At the same time there is no disguising that this discontent exists, while the more ambitious ideas of the people generally show themselves in the exceedingly poor material presenting itself for employment in the Forest Department now-a-days. To some extent, the rapid way in which natives with Dehra Dún certificates were advanced some ten or twelve years ago has resulted in demoralising the younger generation, and raw students expect, immediately after leaving Dehra, to be promoted quite to the medium grades of Ranger, without the slightest real experience of the work of the Department. The Dehra trained men of the late years are not only among the poorest of the students at the School, but the most indifferent servants when they leave it, and we have lost a few by resignation and dismissal. On the whole I attribute the present unsatisfactory state of things more to the growing luxury demanded by all, than to any increasing unpopularity of the Department, and the only remedy seems to be to offer greater attractions of pay and prospects. My hopes towards expecting something in this direction are now indefinitely postponed.

112. Another point worthy, I think, of notice is the higher qualifications demanded for all kinds of work. Divisional Officers now ask for an extra Forester, for the slightest increase of work involving responsibility, whereas a dozen years ago, an extra Guard would have been asked for. So also Rangers are demanded where formerly a Forester would have sufficed. As work becomes intenser and more regular it can no longer be entrusted to a Forest Guard, and a Ranger going on leave requires to be replaced by a Ranger and a Forester by a Forester.

Increased intensity of working.

Matters are even worse in the clerical side of the establishment. I have fully shown this up in my proposals for the reorganisation of this class of Forest servant.

113. The forest year has proved most inconvenient. The dates fixed require the submission of the Arboriculture Report and the Annual Administration Report on the 1st October, and the Budget on the 15th October. The time from the 15th September to the 15th October is most valuable to the Conservator. He can then go into camp for forest inspection with some advantage. He is at present robbed of this valuable time for forest work. It would have been better if he could have finished his reports by the 15th September.

The forest year.

The time too allowed between the receipt of the Divisional Reports and their submission to Government is too short for proper justice to be done to either the Divisional Reports or the Provincial Report. Matters are still worse for the preparation of the Budget, with which there is a great deal of work in examining the plans of operations of thirteen Divisions for two years and comparing them with Working Plans and in checking the accuracy of statistics, stocks, accounts, &c. Experience has shown that for the sake of the fire year only it was not necessary to introduce so much change.

114. The increasing poverty of the Punjab Forest Department is becoming marked. We cannot hope in the future to maintain the surplus of receipts over expenditure of the last ten years. Our hill exports do little more than pay for their exploitation and our grazing areas are gradually diminishing before the spread of cultivation. But the time has happily passed when the work of a year is gauged by the surplus put into the State treasuries.

Poverty of the Department.

STATEMENTS

Form No. 46.

AREA OF RESERVED FORESTS, 1892-93.

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or Transferred to other heads.	Area on 30th June 1893.		No. and date of Notification of addition or transfer.
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
1	2	3	4	5	6	7	8	9	10	11
			Departmental Reserves.							
Hazara.	Dungagalli	Hazára ...	Dungagalli Reserves.	40,714	63·62	...	...	40,714	63·62	
	Kághán ...	Do. ...	Kághán Reserves.	57,487	89·82	...	...	57,487	89·82	
	Siran ..	Do. ...	Siran Reserves.	20,986	32 79	...	...	20,986	32 79	
	Khanpur ...	Do. ...	Khanpur Reserves.	31,786	49·67	...	...	31,786	49·67	
			Total ...	1,50,973	235·90	...	...	1,50,973	235·90	
Rawalpindi.	Ráwalpindi	Ráwalpindi	Ráwalpindi Reserves.	24,377	38·09	...	...	24,377	38 09	
	Kála Chitta	Do. ...	Attock Reserves.	5,479	8 56	...	(a) 5	5,474	8·55	
	Fatehjang	Do. ...	Fatehjang Reserves.	15,346	23·97	...	...	15,346	23·97	
	Kahúta ...	Do. ...	Kahúta Reserves.	40,999	64·06	...	...	40,999	64·06	
	Murree ...	Do. ...	Murree Reserves.	30,330	47·39	...	...	30,330	47·39	
	Kála Chitta and Fatehjang.	Do. ...	Kála Chitta Reserves	93,194	145·62	...	(b) 157	93,037	145·38	Punjab Government Notification No. 41, dated 18th January 1893.
			Total ...	2,09,725	327·69	...	162	2,09,563	327·44	
Chamba.	Pangi ...	Chamba ...	Pangi Forests	25,750	40·23	...	...	25,750	40·23	
	Dalhousie...	Do. ...	Kálatop ...	2,602	4 06	...	...	2,602	4·06	
	Do. ...	Do. ...	Káinthli ...	964	1·51	...	...	964	1·51	
	Do. ...	Do. ...	Bakloh ...	509	0 79	...	...	509	0·79	
	Do. ...	Do. ...	Banikhet ...	517	0·81	...	...	517	0·81	
	Bhándal ..	Do. ...	Bhándal Forests.	9,797	15·30	...	...	9,797	15·30	
	Tisa ...	Do. ...	Tisa Forests...	23,834	37·24	...	...	23,834	37 24	
	Barmaur ...	Do. ...	Barmaur Forests.	19,373	30·27	...	...	19,373	30·27	
	Chamba ...	Do. ...	Chamba Forests.	17,975	28·09	...	...	17,975	28·09	
			Total ...	1,01,321	158·30	...	...	1,01,321	158 30	
Kangra.	Dera ...	Hoshiárpur	Dera Reserves	14,913	23·30	...	...	14,913	23·30	
	Do. ...	Kángra ...	Do ...	11,066	17 29	...	...	11,066	17·29	
	Núrpur ..	Do. ...	Núrpur Reserves.	9,402	14·69	...	...	9,402	14 69	
			Total ...	35,381	55 28	...	...	35,381	55·28	
Bashahr.	Neogli ...	Simla ...	Neogli Reserves.	39,715	62·05	(c) 77	(c) 839 (e) 21	38,932	60·83	
	Taranda ...	Do. ...	Taranda Reserves.	15,813	24·71	..	...	15,813	24·71	
	Kilba ...	Do. ...	Kilba Reserves	6,483	10·13	...	...	6,483	10·13	
	Kailás ...	Do. ...	Kailás Reserves.	14,368	22·45	(c) 600	...	14,968	23·39	
	Chíni ...	Do. ...	Upper Chíni Reserves. Lower Chíni Reserves.	16,174	25·27	...	...	6,135 10,039	9·59 15·68	
	Pandrábis...	Do. ...	Pandrábis Reserves.	18,543	28·97	...	(e) 3	18,540	28·97	
	Pabar ...	Do. ...	Pabar, Giri and Rupin Forests.	6,355	9·93	(c) 5	(c) 235	6,125	9·57	
			Total ...	1,17,451	183·51	682	1,098	1,17,035	182·87	

Form No. 46.

AREA OF RESERVED FORESTS, 1892-93—*continued.*

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1893. Acres	Area on 30th June 1893. Equivalent in square miles	No. and date of Notification of addition or transfer.
1	2	3	4	5	6	7	8	9	10	11
			Departmental Reserves—*continued*							
Jhelum.	Jhelum ...	Jhelum ...	Jhelum Reserves.	83,959	131·18	...	(*f*) 334	83,625	130·66	Punjab Government Notification No. 574, dated 13th December 1892.
	River .	Do. ..	Reserved Belas.	737	1·15	...	...	737	1·15	
	Talagang ...	Do. ..	Talagang Reserves.	24,671	38·55	...	..	24,671	38·55	
	Chakwál ..	Do. ...	Chakwál Reserves.	14,689	22·95	..	..	14,689	22·95	
	Pind Dádan Khan.	Do. ...	Pind Dádan Khan Reserves.	68,489	107·01	...	...	68,489	107·01	
			Total ...	1,92,545	300·84	...	334	1,92,211	300·3[illegible]	
Chenab.	Chenáb River	Gujrát ...	Gujrát Reserves.	1,749	2·73	(*g*) 27	(*h*) 21	1,755	2·74	
	Chenáb ...	Do. ...	Kathála Plantation.	628	0·98	...	(*h*) 80	548	0·86	
	Pabbi ...	Do. ...	Pabbi Plantation	25,298	39·53	...	(*g*) 301	24,997	39·06	
	Phálián ...	Do. ...	Phálián Reserves.	20,006	31·26	(*g*) 980	(*g*) 2,230	18,762	29·31	
	Gujráuwála	Gujránwála	Gujránwála Reserves.	896	1·40	...	...	896	1·4[illegible]	
	Chenáb River	Do.	Thatta Faqirulla	1,012	1·58	...	(*i*) 384	628	0·98	
	Háfizabad ...	Do.	Háfizabad Reserves.	36,734	57·10	...	(*e*) 36,734	...	...	Punjab Government Notification No. 463, dated 12th October 1892.
			Total ...	86,323	134·88	1,013	39,750	47,586	74·37	
Lahore.	Chúnián ...	Lahore ...	Chánga Mánga Plantation Circle.	10,132	15·83	...	..	10,132	15·8[illegible]	
	Do. ...	Do. ...	Chánga Mánga Rakh Circle.	10,041	15·69	...	...	10,041	·6[illegible]	
	Lahore ...	Do. ..	Shahdara Plantation.	1,397	2·18	...	(*f*) 1	1,396	2·18	Punjab Government Notification No. 533, dated 23rd November 1892.
	Do. ...	Do ...	Carob Plantation.	23	0·04	...	...	23	0·04	
	Sharakpur ..	Do. ...	Sadhanwáli Plantation.	349	0·54	...	...	349	0·54	
	Do. .	Do. ...	Jhok Plantation.	2,976	4·65	...	...	2,976	4·65	
	Detached ...	Amritsar ...	Amritsar Reserves.	2,766	4·32	(*g*) 249	(*g*) 5	3,010	4·70	
			Total	27,684	43·25	249	6	27,927	43·63	
Multan.	Kabírwála	Multan ...	Kabírwála Reserves.	42,780	66·84	...	...	42,780	66·84	
	Lodhrán ...	Do. ...	Lodhrán Reserves.	7,728	12·08	...	..	7,728	12·08	
	Mailsi ...	Do. ...	Mailsi Reserves.	28,918	45·18	...	(*j*) 32	28,886	45·13	Punjab Government Notification No. 277, dated 14th April 1893.
			Total ...	79,426	124·10	...	32	79,394	124·05	

Form No. 46.

AREA OF RESERVED FORESTS, 1892-93—*continued.*

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893		No. and date of Notification of addition or transfer.
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
1	2	3	4	5	6	7	8	9	10	11
			Departmental Reserves—*concluded.*							
Montgomery.	Gugera ...	Montgomery	Gugera Reserves.	22,510	35·17	...	...	22,510	35·17	
	Montgomery	Do. ...	Montgomery Reserves.	18,607	29·07	...	...	18,607	29·07	
	Chichawatni	Do. ...	Chichawatni Reserves.	14,618	22·84	...	...	14,618	22·84	
	Pákpattan...	Do. ...	New Sohág Reserve.	8,378	13·09	...	...	8,378	13·09	
			Total ...	64,113	100·17	...	...	64,113	100·17	
Ambala.	Phillour ...	Jalandhar ..	Jalandhar Plantation.	51	0·07	...	...	51	0·07	
	Do. ...	Do. ...	Phillour Plantation	220	0·34	...	...	220	0·34	
	Ludhiána ...	Ludhiána ...	Ludhiána Plantation.	197	0·31	...	...	197	0·31	
	Do. ...	Ambala ...	Jagádhri Plantation.	201	0·33	...	(*h*) 4	197	0·31	
	Kalesar ...	Do. ...	Kalesar Reserve	11,570	18·08	...	...	11,570	18·08	
			Total ...	12,239	19·13	...	4	12,235	19·11	
Simla Hill Tracts.		Simla ...	Kotguru ...	1,454	2·27	...	...	1,454	2·27	
			Kotkhái ...	6,663	10·41	...	...	6,663	10·41	
			Total ...	8,117	12·68	...	...	8,117	12·68	
			Total Departmental Reserves ..	10,85,298	1,695·73	1,944	41,380	10,45,850	1,634·10	
			Military Reserves.							
		Ráwalpindi	Margala Reserves.	11,200	17·50	...	...	11,200	17·50	
		Chamba ...	Bakloh ...	134	0·21	...	...	134	0·21	
		Jhelum ...	Bela Saila ...	934	1·46	...	...	934	1·46	
		Lahore ...	Military Reserves.	...	...	13,624	...	13,624	21·29	Punjab Government Notification No. 400, dated 6th October 1890.
		Jalandhar...	Sarangwál Bir, No. I.	...	...	753	...	753	1·18	Punjab Government Notification No. 230, dated 11th May 1892.
			Sarangwál Bir, No. II.	...	...	132	...	132	0·21	
			Total Military Reserves ...	12,268	19·17	(*k*)14,509	...	26,777	41·85	

Form No. 46.

AREA OF RESERVED FORESTS, 1892-93—*concluded.*

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		No. and date of Notification of addition or transfer.
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
1	2	3	4	5	6	7	8	9	10	11
			Civil Reserves.							
		Jhelum ...	Bela Pira Ghaib.	10	0·02	...	...	10	0·02	
		Dera Ismail Khan.	Rakh Bandan.	...	...	3,775	...	3,775	5·90	Punjab Government Notification No. 559, dated 6th December 1892.
		Hissár ...	Hissár Birs...	...	...	41,101	...	41,101	64·22	Punjab Government Notification No. 393, dated 16th November 1887.
		Total Civil Reserves...		10	0·02	(k)44,876	...	44,886	70·14	
		Grand Total ...		10,97,576	1,715	61,329	41,386	11,17,519	1,746	
		Grand Total for 1891-92...		10,84,892	1,694	26,265	13,081	10,97,576	1,715	

(a). Correction of previous returns owing to error in Settlement records.
(b). Transferred to Mári-Attock Frontier Railway.
(c). Correction of previous returns according to Forest Surveys.
(e). Transferred to Unclassed Forests.
(f). Transferred to Railway Department.
(g). Correction of previous returns owing to re-measurement, &c.
(h). By river action.
(i). By judicial decree.
(j). Transferred to Canal Department.
(k). By Notification.

Abstract of changes during the year.

			Acres.
Area at commencement of year			10,97,576
Added—			
By correction of areas...	1,944		
By notification	59,385	61,329	
Excluded—			
By correction of areas	3,618		
„ transfer to Railway Department	492		
„ transfer to Unclassed Forests...	36,755		
„ river action	105		
„ judicial decree	384		
„ transfer to Canal Department	32	41,386	
Net addition			19,943
Area at close of year ...			11,17,519

Form No. 46.

AREA OF PROTECTED FORESTS, 1892-93.

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		No. and date of Notification of addition or transfer.
				Acres.	Equivalent in square miles.	Acres.	Acres	Acres.	Equivalent in square miles.	
1	2	3	4	5	6	7	8	9	10	11
				Departmental.						
Rawalpindi.	Murree ...	Ráwalpindi	Murree Protected Forests.	23,150	36·17	...	...	23,150	36·17	
	Kahúta ...	Do. ...	Kahúta Protected Forests.	20,114	31·43	...	...	20,114	31·43	
			Total ...	43,264	67·60	...	...	43,264	67·60	
Chenab.	Háfizabad...	Gujránwála	Háfizabad Protected Forests.	1,80,601	282·19	...	1,80,601	...	...	Punjab Government Notification No. 462, dated 12th October 1892.
			Total ...	1,80,601	282·19	...	1,80,601	...	...	
		Total Departmental Protected Forests.		2,23,865	349 79	...	1,80,601	43,264	67 60	
				Civil						
		Kohát ...	Khwárra ...	58,881	92·00	...	...	58,881	92·00	
			Zira ...	25,261	39·47	...	...	25,261	39·47	
		Total Civil Protected Forests		84,142	131·47	...	...	84,142	131·47	
			Grand Total	3,08,007	481	...	1,80,601	1,27,406	199	
		Grand Total for 1891-92		2,26,620	354	84,146	2,579	3,08,007	481	

Abstract of Changes during the year.

	Acres.
Area at commencement of year	3,08,007
Excluded—	
By notification	1,80,601
Area at close of year	1,27,406

Form No. 46.

AREA OF UNCLASSED FORESTS, 1892-93.

Division.	Range.	Civil District or Territory	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1893. Acres.	Area on 30th June 1893. Equivalent in square miles.	No. and date of Notification of addition or transfer.
1	2	3	4	5	6	7	8	9	10	11
Rawalpindi.	Kahúta ...	Ráwalpindi	Kahúta Range Rakhs undemarcated.	82,800	129·38	...	...	82,800	129 38	
	Murree ...	Do.	Murree Range Rakhs undemarcated.	73,400	114·69	...	...	73,400	114·69	
	Ráwalpindi	Do.	District Rakhs	...	...	3,260	...	3,260	5·09	Punjab Govt No. 107, dated 8th Feb. 1893, to Financial Commr., Punjab.
	Fatehjhang	Do.	Do.	...	...	4,841	...	4,841	7 56	
	Pindi Gheb	Do.	Do.	...	...	64,893	...	64,893	101·40	
			Total ...	1,56,200	244·07	(a)72,994	...	2,29,194	358·12	
Chamba	River ...	Gurdáspur ..	Gurdáspur Rakhs.	8,882	13·88	...	...	8,882	13·88	
			Total ...	8,882	13·88	...	...	8,882	13 88	
Kangra.	Dera ...	Kángra ...	Dera Range Rakhs.	2,03,569	318·07	...	...	2,03,569	318·07	
	Do. ...	Hoshiárpur	Hoshiárpur Rakhs	82,890	129·51	...	...	82,890	129·51	
	Núrpur ...	Kángra ...	Núrpur Range Rakhs.	91,301	142·66	...	(b) 16	91,285	142·63	
	River ...	Hoshiárpur Gurdáspur.	Belás ...	509	0·79	...	(h) 509	...	...	Punjab Government No. 57, dated 3rd February 1892.
			Total ...	3,78,269	591·03	...	525	3,77,744	590 21	
Kulu.	Upper Kulu	Kángra ..	Upper Kulu Range.	71,322	111·44	...	...	71,322	111·44	
	Lower Kulu	Do. ...	Lower Kulu Range.	25,493	39·83	...	...	25,493	39·83	
	Inner Seoráj	Do. ...	Inner Seoráj Range.	69,903	109·22	...	...	69,903	109·22	
	Outer Seoráj	Do. ...	Outer Seoráj Range.	58,550	91 48	...	...	58,550	91·48	
	Wazíri Rupi	Do. ...	Wazíri Rupi Range.	1,22,777	191·84	...	...	1,22,777	191·84	
	...	Do. ...	Lahoul ...	2,680	4·19	...	...	2,680	4 19	
	...	Do. ...	Proposed protected undemarcated State Forests.	3,90,127	609·57	(c) 2 (d) 2	(b) 285 (d) 2	3,89,844	609·13	
			Total ...	7,40,852	1,157·57	4	287	7,40,569	1,157·13	

Form No. 46.

AREA OF UNCLASSED FORESTS 1892-93—*continued.*

Division	Range.	Civil District or Territory.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		No. and date of Notification of addition or transfer.
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
1	2	3	4	5	6	7	8	9	10	11
Bashahr.	Kilba ...	Simla ...	Kilba ...	7,881	12·31	...	6	7,875	12·30	
	Kailás ...	Do. ...	Kailás Range	8,743	13·66	...	...	8,743	13·66	
	Chini ...	Do. ...	Chini Range..	2,555	3·99	...	...	2,555	3·99	
	Pandrábis	Do. ...	Pandrábis ...	12,982	20·29	...	1	12,981	20·28	
	Neogli ...	Do. ...	Neogli ...	5,112	7·98	(e) 21	4	5,129	8·01	
	Taranda ...	Do. ...	Taranda ...	6,787	10·61	...	2	6,785	10·60	
	Pabar ...	Do. ...	Pabar, Rupin and Giri Forests.	90,450	141·33	...	14	90,436	141·31	
			Total ...	1,34,510	210·17	21	(h) 27	1,34,504	210·15	
Jhelum.	Khusháb ...	Shahpur ...	Khusháb Rakhs.	1,32,942	207·72	...	...	1,32,942	207·72	
	River ...	Jhelum ...	Unreserved Belás.	25	0·04	...	...	25	0·04	
	Jhelum ...	Do. ...	Jhelum Rakhs.	...	...	6,710	...	6,710	10·48	Punjab Govt. No. 107, dated 8th Feby. 1893, to Finl. Comr., Punjab.
	Chakwál	Do. ...	Chakwál do.	...	...	14,119	...	14,119	22·06	
		Do. ...	Talágang do.	...	...	12,218	...	12,218	19·09	
			Total ...	1,32,967	207·76	(a)33,047	...	1,66,014	259·39	
Chenab.	Háfizabad (now Gujránwála).	Gujranwála	Háfizabad unclassed (now Gujránwála unclassed).	2,832	4·43	(f)13,084 (g) 19	(g) 68	15,867	24·79	
	Gujránwála	Do. ...	Gujránwála unclassed.	...	...	(a) 4,203	...	4,203	6·57	Punjab Government No. 107, dated 8th February 1893, to Financial Commissioner, Punjab.
	Belás ...	Do. ...	Belás unclassed	489	0·76	(a) 970	(i) 4	1,455	2·27	
	Do. ...	Gujrát ...	Do. ...	7,707	12·04	(g) 310	(f) 323 (g) 580 (g) 15	7,093	11·08	
	Do. ...	Do. ...	Kathála Plantation.	5	0·01	...	...	5	0·01	
	Bhera ...	Shahpur ...	Bhera unclassed.	1,38,554	216·49	(g) 1,335	(g) 1,909	1,38,980	217·00	
	Belás ...	Siálkot ..	Belás ...	92	0·14	...	...	92	0·14	
	Pabbi ...	Gujrát ...	Jhelum Belás.	404	0·63	...	(j) 24 (g) 27	353	0·55	
	Jhang ...	Jhang ...	Sirwála Block.	...	...	(a)27,144	...	27,144	42·41	Financial Commissioner, Punjab's No. 2677, dated 10th April 1892.
			Total ...	1,50,088	234·50	47,065	2,056	1,95,092	304·82	

Form No. 46.

AREA OF UNCLASSED FORESTS, 1892-93—*continued.*

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		No. and date of Notification of addition or transfer.
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
1	2	3	4	5	6	7	8	9	10	11
Lahore.	Chunián ...	Lahore ...	Chunián unclassed.	1,03,676	161·99	...	(*h*) 200	1,03,476	161·68	Financial Commissioner, Punjab's No 273, dated 3rd May 1892.
	Lahore ...	Do. ...	Lahore unclassed.	11,494	17·96	...	...	11,494	17·96	
	Do. ...	Do. ...	Kot Lakhpat...	600	0·94	...	...	600	0·94	
	Sharakpur	Do. ...	Sharakpur unclassed.	73,029	114·11	...	(*h*) 399	72,630	113·48	Financial Commissioner, Punjab's No. 3932, dated 6th June 1893.
	Do. ...	Do. ...	Do. ...	826	1·29	...	...	826	1·29	
			Total ...	1,89,625	296·29	...	599	1,89,026	295·35	
Multan.	Lodhrán ...	Multan ...	Lodhrán Rakhs.	21,200	33·12	...	...	21,200	33·12	
	Mailsi ...	Do. ..	Mailsi ...	17,491	27·33	...	...	17,491	27·33	
			Makhdúm, Rashíd.	310	0·48	(*g*) 38	...	348	0·54	
	Sanáwán ...	Muzaffargarh	Sanáwán ...	8,981	14·03	...	1,183	7,798	12·19	
	Muzaffargarh	Do. ...	Muzaffargarh.	10,398	16·25	(*j*) 22	...	10,420	16·28	
	Alipur ...	Do. ...	Alipur ...	25,879	40·44	(*j*) 1,467	1,010	26,336	41·15	
	Rájanpur ...	D. G. Khan	Rájanpur ...	16,000	25·00	...	...	16,000	25·00	
	D. G. Khan	Do. ...	D. G. Khan ...	2,000	3·12	...	...	2,000	3·12	
			Total ...	1,02,259	159·77	1,527	(*j*) 2,193	1,01,593	158·73	
Montgomery.	Gugera ...	Montgomery	Gugera Rakhs.	2,17,808	340·32	...	(*l*) 20	2,17,788	340·29	Punjab Govt. Nos. 48 and 302, dated 29th January and 12th May 1892.
	Montgomery	Do. ...	Montgomery Rakhs.	87,055	136·02	...	..	87,055	136·02	
	Chícháwatni	Do. ...	Chícháwatni Rakhs.	1,80,286	281·70	...	...	1,80,286	281·70	
			Total ...	4,85,149	758·04	...	20	4,85,129	758·01	
Ambala.	Sabáthu ...	Simla ...	Sabáthu ...	394	0·61	...	394	...	...	
	Dagshái ...	Do. ...	Dagshái ...	400	0·63	...	400	...	...	
			Total ...	794	1·24	...	(*m*) 794	...	...	

Form No. 46.

AREA OF UNCLASSED FORESTS, 1892-93—*concluded.*

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		No. and date of Notification of addition or transfer.
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
1	2	3	4	5	6	7	8	9	10	11
Simla Hill Tracts.	Jutogh ...	Simla ...	Jutogh Plantation.	115	0·18	...	...	115	0·18	
	Sabáthu ...	Do. ...	Sabáthu ...	...	...	394	...	394	0·61	
	Dagsháí ...	Do. ...	Dagsháí ..	...	...	400	...	400	0·63	
			Total ...	115	0·18	(*m*) 794	...	909	1·42	
			Grand Total ...	24,79,705	3,874	1,55,452	6,501	26,28,656	4,107	
			Grand Total for 1891-92 ...	25,06,331	3,916	3,058	29,684	24,79,705	3,874	

(*a.*) Transferred from District authorities.
(*b.*) Leased for cultivation.
(*c.*) By purchase.
(*d.*) By exchange.
(*e.*) Transferred from Reserves.
(*f.*) Balance of area disafforested but not made over for colonization.
(*g.*) Correction of previous returns owing to remeasurement, &c.
(*h.*) Made over for colonization.
(*i.*) Transferred to Canal Department.
(*j.*) By river action.
(*k.*) Transferred to Civil authorities.
(*l.*) By sale.
(*m.*) Transferred from one Division to another.

Abstract of changes during the year.

			Acres.
Area at commencement of year			24,79,705
Added—			
By transfer from District authorities	1,38,358		
„ purchase	2		
„ exchange	2		
„ transfer from Reserves	21		
„ balance of area disafforested but not made over for colonization	13,084		
„ correction of areas	1,702		
„ river action	1,489		
„ transfer from one Division to another	794		
		1,55,452	
Excluded—			
By leases for cultivation	528		
„ exchange	2		
Made over for colonization	399		
By correction of areas	1,705		
„ transfer to Canal Department	4		
„ river action	2,540		
„ transfer to Civil authorities	509		
„ sale	20		
„ transfer from one Division to another	794		
		6,501	
Net addition			1,48,951
Area at close of year			26,28,656

Form No. 47.

STATEMENT SHOWING THE PROGRESS MADE IN, AND THE EXPENDITURE INCURRED ON, FOREST SETTLEMENTS DURING 1892-93.

Form No. 47.

STATEMENT SHOWING THE PROGRESS MADE IN, AND THE EXPENDITURE INCURRED ON, FOREST SETTLEMENTS DURING 1892-93.

Name of Forest Division.	Name of Civil District or Territory.	Area already settled at commencement of the year.	AREAS FINALLY SETTLED DURING THE YEAR.						AREAS UNDERGOING SETTLEMENT.						Remarks
			Number and date of Government order according final sanction to the Settlement.	Name of Forest settled.	Area in square miles.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.	At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing Settlement.		
						In Forest accounts	In other accounts.		Name of tract.	Area in square miles.	Name of tract.	Area in square miles.	In Forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
		Sq. Ms.				Rs.	Rs.	Rs.					Rs.	Rs.	
						Reserved Forests.									
Hazára ...	Hazára ...	236	...	...	...	...	...	...	...	...	...	...	...	...	Hazára Forest Regulation.
Ráwalpindi ...	Ráwalpindi ...	248	..	...	...	...	...	...	...	...	...	...	...	...	Forest Settlement, under Chapter II of the Forest Act of 1878.
" ...	" ...	97	...	...	...	...	...	...	...	...	...	...	...	...	Land Revenue Settlement—Sections 19 and 34 of the Forest Act VII of 1878.
Chamba ...	Chamba State...	...	...	...	...	...	...	...	...	...	...	...	...	...	There can be no Forest Settlement in Chamba State, but the old record of rights is everywhere undergoing revision.
" ...	Gurdáspur ...	...	...	...	...	...	...	...	Shahpur Kandi	14	...	...	...	...	
Kángra ...	Hoshiárpur ...	23	...	...	...	...	...	...	...	...	...	...	...	...	Section 34 of the Forest Act VII of 1878.
	Kángra ...	32	...	...	...	...	...	...	...	...	...	...	...	...	Do. do. do.
Kulu ...	" ...	...	...	...	...	...	...	...	...	62	...	...	...	...	
Bashahr ...	Simla ...	...	...	...	...	...	...	...	...	...	...	...	...	...	The Settlement of Bashahr Forests has been completed by the Divisional Officer and is believed to be with the Deputy Commissioner.

Jhelum ...	Jhelum ...	302	...	...	...	...	...	...	...	...	...	...	...	...		Section 19 of the Forest Act. VII of 1878.
Chenáb ...	Gujránwála ...	60	...	...	...	...	...	...	...	...	...	...	...	...		Sections 19 & 34 of the Forest Act VII of 1878.
" ...	Gujrát ...	75	...	...	...	...	...	...	Belas *	9	Gujrát Belás.	3	...	...		Do. do.
" ...	Siálkot ...	...	...	...	...	...	...	...								
" ...	Jhang ...	...	...	...	...	...	...	...	...	...	Pakka Mari (Jhang.)	42	...	...		
Lahore ...	Lahore ...	39	...	...	...	...	...	...	...	...	...	...	...	...		Section 34 of the Forest Act VII of 1878.
	Amritsar ...	4	...	...	...	...	...	...	...	...	...	...	...	...		Do. do.
Multan ...	Multan ...	124	...	...	...	...	...	...	...	...	Dangra Arbi	1	9	...		Sections 19 & 34 of the Forest Act VII of 1878. Dangra—60 acres. Arbi—348 "
Montgomery ...	Montgomery ...	100	...	...	...	...	...	...	...	...	...	...	...	...		Section 19 of the Forest Act VII of 1878.
Ambala ...	Jalandhar ...	1	...	...	...	...	...	...	...	...	...	...	...	...		Sections 19 & 34 of the Forest Act VII of 1878.
" ...	Ludhiána ...		...	...	...	...	...	...	...	...	...	...	...	...		
" ...	Ambala ...	18	...	...	...	...	...	...	...	...	...	...	...	...		
Simla Hill Tracts	Simla ...	13	...	...	...	...	...	...	..	..	...	...	...	...		Section 19 of the Forest Act VII of 1878.
Total Reserves ...		1,372	...	...	...	...	...	...	...	85	...	46	9	...		1,372 square miles are exclusive of 159 square miles of Reserves in Chamba Division and 184 square miles in Bashahr.
							Protected Forests.									
Kángra ...	Kángra ...	...	...	...	...	...	...	...	Núrpur, Dera and Hamírpur.	50	...	...	...	...		
Kulu ...	" ...	...	...	...	...	...	...	...	...	468	...	...	..	...		
Ráwalpindi ...	Ráwalpindi ...	68	...	...	...	...	...	...	...	...	...	...	...	...		
Chenáb ...	Gujránwála ...	282	...	...	...	...	...	...	...	...	...	...	...	...		
Total Protected Forests		350	...	...	...	...	...	...	...	518	...	...	...	...		350 square miles are exclusive of 131 square miles of Civil Protected Forests.

* Siálkot District—0·14 square mile.
Gujrát " —8·59 square miles.

Form No. 48.

RECORD OF DEMARCATION AND MAINTENANCE OF BOUNDARIES, 1892-93.

Division.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on Demarcation during the year. On new work.	Expenditure on Demarcation during the year. On repairs.	Remarks.
1	2	3	4	5	6	7	8	9	10	11
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.	
Hazára	...	16	668	684	...	...	684	...	137	
Ráwalpindi (outer perimeter).	...	147	1,412	1,559	...	135	1,694	278	255	Rupees 230 spent on cutting boundary lines or narrow strips along the boundary demarcated by pillars are not included as they are merely supplementary to the existing demarcation for more clearly defining the boundary.
Do. (chak do.) ...	60	1	41	102	212	...	314	734	...	
Chamba	...	14	848	862	...	...	862	...	195	Rupees 195 are exclusive of Rs. 8 spent on repairing 45 pillars in different forests.
Kángra	...	594	95	689	3,531	...	4,220	581	209	Rupees 581 shown in column 9 for new works, is on account of *extra* large pillars added to existing boundary lines at salient points, hence the work done for this amount is shown in column 3 and not in column 2.
Kulu	...	304	1,004	1,308	...	798	2,106	...	54	
Bashahr	...	128	582	710	200	150	1,060	...	102	
Jhelum	...	...	483	483	459	1	943	...	28	¼ mile of previously existing boundaries repaired.
Chenáb	3	...	519	522	145	18	685	9	2	3 chains of previously existing boundaries repaired.
Lahore	...	4	622	626	...	12	638	...	68	
Multan	10	271	274	555	74	...	629	80	204	52 pillars renewed and 1,418 pillars repaired for Rs. 69; 1 mile and 24 chains of trenches dug for Rs. 6.
Montgomery	...	6	65	71	...	...	71	...	2	
Ambala	...	4	35	39	...	...	39	...	71	A VIII *a* = Rs. 57. A VIII *g* = „ 14.
Simla Hill Tracts ...	...	11	71	82	...	...	82	54	139	Rupees 139 charged to A VIII*e*. 9 chains of boundaries demarcated during the year.
Total ...	73	1,500	6,719	8,292	4,621	1,114	14,027	1,736	1,466	

	Rs.
On new work	1,736
„ repairs	1,466
	3,202
Add, as explained in "Remarks" Column—	
Ráwalpindi	230
Chamba	8
Multan	75
	3,515
Deduct amounts charged to AVIII*e* and AVIII*g*—	
Ambala ... ... Rs 14	...
Simla Hill Tracts ... ... „ 139	153
Total Expenditure under AVIII*a*	3,362

Form No. 49.

STATEMENT OF FOREST AREAS SURVEYED AND UNDER SURVEY DURING THE YEAR 1892-93.

| Division. | AREAS SURVEYED AND UNDER SURVEY DURING THE YEAR. | | |

Form No. 50.

PROGRESS MADE IN WORKING-PLANS, 1892-93.

Division.	Areas for which Working-Plans have been completed.		Areas for which Working-Plans are being compiled.		Areas for which Working-Plans have still to be taken in hand.	Total Forest area, as in Form No. 46.	Entire cost, per square mile, of Working-Plans completed.	Remarks.
	At commencement of the year.	During the year.	At commencement of the year.	Taken in hand during the year.				
1	2	3	4	5	6	7	8	9
	Sq. Ms.	Sq. Ms.	Sq. Ms.	Sq. Ms.	Sq. Ms.	Sq. Ms.	Rs.	
Reserved Forests.								
Hazára ...	...	...	...	...	236	236	...	
Ráwalpindi	102	...	...	145	98	345	64	
Chamba...	119	...	40	...	...	159	142	
Kángra	...	..	...	...	55	55	...	
Bashahr	...	...	(a)173	...	10	183	150	(a) Not yet sanctioned formally.
Jhelum	...	...	...	...	302	302	...	
Chenáb	...	...	...	...	74	74	...	
Lahore	34	...	...	...	10	44	30	
Multan	...	...	...	67	57	124	...	
Montgomery	...	...	...	100	...	100	...	
Ambala	...	4	...	...	16	20	...	
Simla Hill Tracts ...	...	...	(b)13	...	...	13	...*	*The work was carried out by the officer in charge with the help of the existing establishment.
Total Reserves ...	255	4	226	312	858	(c)1,655	...	(b) Not yet sanctioned. (c) 1,655 square miles are exclusive of 91 square miles of Military and Civil Reserves.
Protected Forests.								
Ráwalpindi	68	...	...	..	...	68	64	
Total Protected Forests	68	..	...	...	...	(d)68	...	(d) 68 square miles are exclusive of 131 square miles of Civil Protected Forests.
Unclassed Forests.								
Ráwalpindi	...	...	...	...	358	358	...	
Chamba	...	.	...	...	14	14	...	
Kángra	...	...	...	...	590	590	...	
Kulu	...	...	...	...	1,157	1,157	...	
Bashahr	...	...	...	...	210	210	...	
Jhelum	...	...	...	...	259	259	...	
Chenáb	...	...	...	...	305	305	...	
Lahore	...	...	...	...	295	295	...	
Multan	...	...	...	...	159	159	...	
Montgomery	...	...	...	140	618	758	...	
Simla Hill Tracts ...	...	...	...	...	2	2	...	
Total Unclassed Forests	...	...	...	140	3,967	4,107	...	
GRAND TOTAL ...	323	4	226	452	4,825	5,830	...	

Form No. 51.

COMMUNICATIONS AND BUILDINGS DURING 1892-93.

Division.	New work undertaken during the year. Buildings. Description of Buildings.	Expenditure incurred.	Roads and Paths. Road or Path and object of the same.	Length of Road or Path.	Expenditure incurred.	Total Expenditure on new work.	Repairs executed during the year. Buildings. Nature of Repairs.	Expenditure incurred.	Roads and Paths. Nature of Repairs.	Length repaired.	Expenditure incurred.	Total Expenditure on repairs.
1	2	3	4	5	6	7	8	9	10	11	12	13
		Rs.		Miles.	Rs.	Rs.		Rs.		Miles.	Rs.	Rs.
Hazára	Construction of Forest rest-houses and out-houses, Rangers', Foresters', Guards' and Office quarters, &c.	385	Construction of roads, inspection and bridle paths and bridge work on the same.	...	22	407	Repairs, maintenance and up-keep of Forest rest-houses and out-houses, Rangers', Foresters', Guards' and Office quarters and depôt huts	523	Repairs, maintenance and up-keep of roads, inspection and bridle paths and bridges.	34	73	596
Ráwalpindi		267		2	132	399		1,072		20	193	1.265
Chamba		1,286		35	2,638	3,924		1,508		148	1,085	2,593
Kángra		141		...	...	141		346		12	134	480
Kulu		287		...	...	287		98		...	...	98
Bashahr		136		11	979	1.115		606		107	822	1,428
Jhelum		...		...	...	...		660		...	1	661
Chenáb		...		...	...	...		97		...	6	103
Lahore		...		...	...	...		196		130	508	704
Multan		469		...	...	469		184		11	12	196
Montgomery		...		...	...	...		20		...	...	20
Ambala		279		...	...	279		656		...	116	772
Simla		...		...	2	2		166		12	105	271
Total ...	...	3,250	...	48	3,773	7.023	...	6,132	...	474	3,055	9,187

Buildings.	Rs.
New work	3,250
Repairs	6,132
Total under AVII*b*. as per Form No. 61 ...	9,382

Roads and Bridges.	Rs.
New work	3,773
Repairs	3,055
Total under AVII*a*. as per Form No. 61 ...	6,828

Form No. 52.

REGISTER OF BREACHES OF FOREST RULES DURING 1892-93.

Forest Division.		Cases pending from 1891-92	New Cases of the year. Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	Total cases.	Disposed of during the year. Convictions. Cases.	Convictions. Persons.	Acquittals. Cases.	Acquittals. Persons.	Total. Cases.	Total. Persons.	Cases pending at close of year.
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Hazára Division ...	A.	18	14	69	19	3	105	123	76	286 and 17 villages.	25	137 and 3 villages.	101	423 and 20 villages.	22
	B.	...	..	...	...	...	...	...	...	...	..	...	...	...	...
	C.	..	..	...	...	...	...	...	...	...	...	...	...	...	...
Total ...		18	14	69	19	3	105	123	76	286 and 17 villages.	25	137 and 3 villages.	101	423 and 20 villages.	22
Ráwalpindi Division...	A.	8	1	46	8	21	76	81	70	196	10	68	80	264	4
	B.	...	...	175	410	...	585	585	585	934	...	...	585	934	...
	C.	...	...	...	..	...	...	...	...	...	...	..	...	...	...
Total ...		8	1	221	418	21	661	669	655	1,130	10	68	665	1,198	4
Chamba Division ...	A.	14	4	25	12	1	42	(a) 56	41	93	1	1	42	94	10
	B.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...		14	4	25	12	1	42	56	41	93	1	1	42	94	10
Kángra Division ...	A.	5	1	37	15	14	67	72	61	111	6	20	67	131	5
	B.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...		5	1	37	15	14	67	72	61	111	6	20	67	131	5
Kulu Division. ...	A.	28	35	64	24	40	163	191	140	704	35	58	175	762	16
	B.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	C.	...	4	6	2	3	15	...	...	...	...	...	...	...	...
Total ...		28	39	70	26	43	178	191	140	704	35	58	175	762	16
Bashahr Division ...	A.	265	41	126	2	75	244	509	111	179	137	245	248	424	261
	B.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...		265	41	126	2	75	244	509	111	179	137	245	248	424	261
Jhelum Division. ...	A.	2	...	89	78	6	173	175	146	338	28	74	174	412	1
	B.	...	...	294	231	5	530	530	525	780	4	4	529	784	1
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...		2	...	383	309	11	703	705	671	1,118	32	78	703	1,196	2

(a). Four cases struck off as accused have left Chamba and cannot be found.

Form No. 52.

REGISTER OF BREACHES OF FOREST RULES DURING 1892-93—*concld.*

Forest Division.		Cases pending from 1891-92.	New cases of the year. Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	Total cases.	Disposed of during the year. Convictions. Cases.	Convictions. Persons.	Acquittals. Cases.	Acquittals. Persons.	Total. Cases.	Total. Persons.	Cases pending at close of year.
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Chenáb Division ...	A.	57	1	39	67	18	125	182	104	281	72	450	176	731	6
	B.	...	...	55	17	.	72	72	72	121	...	1	72	122	...
	C	...	...	1	9	...	10	...	...	...	...	...	...	...	...
Total ...		57	1	95	93	18	207	254	176	402	72	451	248	853	6
Lahore Division ...	A	2	2	9	10	18	39	41	31	128	8	31	39	159	2
	B.	...	...	32	27	1	60	60	60	155	...	...	60	155	...
	C	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...		2	2	41	37	19	99	101	91	283	8	31	99	314	2
Multan Division ...	A.	2	4	15	90	2	111	113	90	170	23	47	113	217	...
	B.	...	...	...	32	...	32	32	32	51	...	...	32	51	...
	C.	...	...	...	...	...	...	...	...	...	...	...	..	...	...
Total ...		2	4	15	122	2	143	145	122	221	23	47	145	268	...
Montgomery Division	A.	108	...	26	33	...	59	(b)167	71	119	30	57	101	176	5
	B.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	C.	...	...	...	...	...	...	...	..	...	...	...	...	...	..
Total ...		108	...	26	33	..	59	167	71	119	30	57	101	176	5
Ambala Division ...	A.	1	...	2	...	2	4	(c) 5	3	5	1	4	4	9	...
	B.	...	...	1	...	...	1	1	1	1	...	...	1	1	...
	C.	...	...	..	...	...	...	...	...	...	...	...	...	...	...
Total ...		1	...	3	...	2	5	6	4	6	1	4	5	10	...
Simla Hill Tracts Division.	A	25	1	29	13	5	48	73	50	81	22	30	72	111	1
	B.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...		25	1	29	13	5	48	73	50	81	22	30	72	111	1
Grand Total ...	A.	535	104	576	371	205	1,256	1,791	994	2,691 and 17 villages.	398	1,222 and 3 villages.	1,392	3,913 and 20 villages.	333
	B	...	...	557	717	6	1,280	1,280	1,275	2,042	4	5	1,279	2,047	1
	C	...	4	7	11	3	25	...	...	...	...	...	...	...	...

(b). 28 cases abandoned owing to the offenders having absconded.
33 cases not traceable.
(c). 1 case abandoned owing to the offender having absconded
N. B.—A means cases taken into Court.
B means cases disposed of under Section 67 of Indian Forest Act, 1878.
C means undetected cases.

Form No. 53.

AREA OF FOREST TRACTS PROTECTED FROM FIRE DURING 1892-93.

Division.	Forest Tracts.	Year in which protection commenced.	Area protected during 1891-92	Area attempted to be protected.	Failures.	Area actually protected.	Cost.	Remarks.
1	2	3	4	5	6	7	8	9
							Rs.	
Hazára	Kághán 2 Reserves ..	1885	...	9,144	...	9,144	74	
	Siran 3 „ ...	...	..	7,298	...	7,298	30	
	Dungagalli 15 „ ...	...	11,391	11,708	...	11,708	43	
	Khanpur 11 „ ...	...	6,274	8,545	114	8,431	80	
	Total ..	...	17,665	36,695	114	36,581	227	
Ráwalpindi ..	Murree Seribari Reserve.	1885-88	1,696	...	...	...	...	
	Total ..	...	1,696	...	...	...	...	
'hamba	Bakloh	1872	406	509	...	509	56	
	Kálátop and Dadra ...	1871	153	153	...	153	...	
	Surkhigalli	1882	306	306	...	306	28	
	Banikhet	1874	211	211	...	211	27	
	Shahpur Kandi	1882	8,872	8,882	...	8,882	78	
	Total ...	...	10,038	10,061	...	10,061	189	
Kángra	Lohára Khás, Jowár, Lambasail and part of Punjal.	1875	1,658	2,500	...	2,500	35	
	Parts of Chabútra, Dhái, Jakh, Hiffmal, Bakroh, Dhar Sidh and Majhaba.	1884	6,979	6,979	...	6,979	65	
	Parts of Bindraban and Karnpur bamboo Reserves.	1884	3,000	3,000	..	3,000	34	
	Dhamtal Reserve ...	1879	624	624	...	624	15	
	Talára and Kalak Reserves.	1882	1,044	1,044	...	1,044	15	
	Mastgarh, Batoi and Swarka.	1885	587	587	.	587	15	
	Tatal, Mehdhar, Chatril and Jakai Reserves.	1882	2,581	2,581	...	2,581	15	
	Bindraban Reserve ...	1883	617	617	...	617	15	
	Balah and Soldah Reserves.	1887	579	579	...	579	...	
	Hatidhar Unclassed Forests.	1885	1,500	1,500	...	1,500	15	
	Unclassed Forests on the sides of roads going to Sulyali.,	1890	1,499	1,499	...	1,499	15	
	Part of Lohjang Reserve.	1892	500	500	..	500	7	
	Bhali and Dholbi Reserves.	1893	...	1,489	...	1,489	15	
	Total ...	...	21,168	23,199	...	23,199	261	

Form No. 53.

AREA OF FOREST TRACTS PROTECTED FROM FIRE DURING 1892-93—*concluded.*

Division.	Forest Tracts.	Year in which protection commenced.	Area protected during 1891-92.	Area attempted to be protected.	Failures.	Area actually protected.	Cost.	Remarks.
1	2	3	4	5	6	7	8	9
							Rs	
Kulu	Siál-Biál	1885	80	80	...	80		
	Dungri	1887	60	60	...	60		
	Dudlu	1888	260	260	...	260	24	
	Dana Biál	1889	30	30	...	30		
	Dumsu Kalaun and Manálghán.	1890	284	284	..	284		
	Sahita and Kandi ...	1891	150	150	...	150	48	
	Seoráj Range 2 Forests ..	1887	280	280	...	280		
	" " 9 "	1888	1,613	1,613	5	1,608		
	" " 8 "	1889	320	920	...	920	52	
	Parkatshíl	1890	240	240	...	240		
	Chaliála ... " ...	1892	300	300	...	300		
	Soma Chaláon	1885	10	400	...	400		
	Rupi Range 4 Forests ...	1888	8,640	9,440	...	9,440		
	Bindraban	1889	223	223	...	223		
	Kailiban and Masu Dûnkri.	1890	330	1,030	...	1,030	54	
	Diyar	1891	100	100	...	100		
	Khoru thach	1892	..	490	..	490		
	Total ...	...	12,920	15,900	5	15,895	178	
Bashahr ...	Neogli Range Reserves...	1891	43,540	38,932	1	38,931	72	
	Pabar	1891	6,325	6,125	..	6,125	40	
	Kailás	1887	451	...	..	...	...	
	Total ...	..	50,316	45,057	1	45,056	112	
Multan	Lodhrán Range (Forests)	...	3,121	3,199	...	3,199	25	
	Muzaffargarh " ...	...	3,272	4,118	...	4,118	92	
	Alipur " ...	...	11,737	12,939	131	12,808	130	
	Rájanpur " ...	...	9,998	15,000	7	14,993	78	
	Total ..	..	28,128	35,256	138	35,118	325	
Montgomery ...	Kalera	1884	4,561	4,561	365	4,196	16	
	Mírdád	1886	3,352	3,352	...	3,352	15	
	Montgomery	1886	4,280	4,280	..	4,280	10	
	Okára	1891	4,097	...	...	...	...	
	Sayadwála	1892	4,921	...	...	...	6	
	Mohamedpur	1893	..	1,748*	...	1,748	5	
	Total ..	...	21,211	13,941	365	13,576	52	
Ambala	Kalesar	1882	2,389	2,389	...	2,389	204	
	Total ...	...	2,389	2,389	...	2,389	204	
Simla Hill Tracts	Sabáthu	1887	393	394	...	394	19	
	Dugshai	1888	398	400	...	400	23	Only $\frac{1}{10}$ of an acre failed.
	Total ...	...	791	794	...	794	42	
	Grand Total ...	...	1,66,322	1,83,592	623	1,82,969	1,590*	
	Grand Total for 1891-92	...	2,25,426	1,89,916	23,594	1,66,322	2,106	

* Rs. 1,590 are exclusive of Rs. 13 spent on areas not specially protected in Chamba and Chénáb Divisions.

Form No. 54.

AREA CLOSED AND OPEN TO GRAZING DURING 1892-93.

Division.	Area in square miles. Closed to all animals. Whole year.	Closed to all animals. Part of year.	Closed to browsers (camels, goats or sheep). Whole year.	Closed to browsers (camels, goats or sheep). Part of year.	Open to all animals. Whole year.	Total area.	Remarks.
1	2	3	4	5	6	7	8
Reserved Forests							
Hazára	142	...	(a)23	..	71	236	(a). Closed to kine for part of the year.
Ráwalpindi	216	...	(b)47	...	(c)82	345	(b). Includes 18 square miles closed to kine for part of the year. (c). Includes 62 square miles closed to camels throughout the year.
Chamba	12	...	...	...	147	159	
Kángra	48	(d)7	...	...	...	55	(d). Includes 2 square miles closed to camels throughout the year.
Bashahr	59	...	...	...	124	183	
Jhelum	172	...	9	...	121	302	
Chenáb	16	...	(e)58	...	...	74	(e). Includes 14 square miles closed to kine for part of the year.
Lahore	17	...	(f)26	...	1	44	(f). Includes 11 square miles closed to kine for part of the year.
Multan	48	...	(g)76	...	...	124	(g). Includes 38 square miles closed to kine for part of the year.
Montgomery	57	...	(h)43	...	...	100	(h). Closed to kine for part of the year.
Ambala	14	...	(h)5	...	...	19	
Simla Hill Tracts ...	2	...	11	...	...	13	
Total Reserves ...	803	(o)7	(p)298	...	(q)546	1,654	(o). Includes 2 square miles closed to camels throughout the year. (p). Includes 152 square miles closed to kine for part of the year. (q). Includes 62 square miles closed to camels throughout the year.
Protected Forests.							
Ráwalpindi	...	...	67	1	...	68	One square mile closed to goats and sheep only and opened to Commissariat Department camels.
Total Protected Forests	...	...	67	1	...	68	
Unclassed Forests.							
Ráwalpindi	...	...	...	...	358	358	
Chamba	...	...	...	...	14	14	
Kángra	1	(i)7	...	...	583	591	(i). Includes 5 square miles closed to camels throughout the year.
Kulu	33	1	(j)5	(k)22	1,096	1,157	(j). Includes 2 square miles closed to kine for part of the year.
Bashahr	...	...	...	...	210	210	(k). Includes 14 square miles closed to kine throughout the year.
Jhelum	...	...	28	...	231	259	
Chenáb	5	16	(l)40	...	244	305	(l). Includes 21 square miles closed to kine for part of the year.
Lahore	2	...	(m)121	...	172	295	(m). Includes 32 square miles closed to kine for part of the year.
Multan	10	...	(n)87	1	61	159	(n). Includes 3 square miles closed to kine for part of the year.
Montgomery	...	...	12	...	746	758	
Simla Hill Tracts ...	2	...	...	...	..	2	
Total Unclassed Forests	53	(r)24	(s)293	(t)23	3,715	(u)4,108	(r). Includes 5 square miles closed to camels throughout the year. (s). Includes 58 square miles closed to kine for part of the year. (t). Includes 14 square miles closed to kine throughout the year. (u). Includes 1 square mile closed throughout the year, but transferred to civil authorities at the end of the year.

FORM No. 55.

RETURN OF GRAZING IN THE STATE FORESTS DURING 1892-93.

Form No. 55.

RETURN OF GRAZING IN THE STATE FORESTS DURING 1892-93.

Division.	Grazing on payment. At full rates. Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other animals.	Fees received.	Number of animals. At privileged rates. Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other animals.	Fees received. Actual.	Value at full rates.	Grazing free. By right under Settlement. Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other animals.	Value of Fees at full rates.	Number of animals. During pleasure of Government, or otherwise than under Settlement. Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other animals.	Value of Fees at full rates.	Total value of Fees at full rates.	Grand Total of value at full rates.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
						Rs.						Rs.	Rs.						Rs.						Rs.	Rs.	Rs.
Reserved Forests.																											
Hazára	2,369	4,427	6,456	...	18	2,314	...	..	.		.		...	462	925	..	...	...	446	..	...	...	...	...	..	446	2,660
Ráwalpindi	...	...	...	...	...	..	34	3,536	21,257	...	1	1,246	13,918	3,385	10,540	9,055	100	414	33,851	...	...	...	...	...	..	33,851	47,769
Chamba	...	...	...	...	...	...	..	...	...	...	...	..	..	...	..	...	...	...	...	...	...	...	...	...	..	...	...
Kángra	...	...	8,200	...	...	161	..	..	...	..	...	...	...	...	...	..	...	...	..	...	...	...	...	...	...	...	161
Bashahr	...	...	...	...	...	...	...	...	..	.	...	..	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...
Jhelum	2,892	3,342	...	...	683	2,905	3	112	211	...	7	18	36	892	5,927	10,258	160	398	2,001	2	22	209	...	...	9	2,010	4,951
Chenáb	3,758	5,191	847	642	331	3,383	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	3,383
Lahore	5,198	9,973	313	15	69	9,105	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	9,105
Multan	6,183	24,751	392	...	74	5,948	...	68	...	...	...	13	102	...	..	...	...	...	...	...	...	...	...	...	...	...	6,050
Montgomery	409	665	...	...	130	199	...	...	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...	...	...	199
Ambala	193	344	...	...	..	234	..	..	..	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	234
Simla Hill Tracts		...	...		.	..	...	.	...	...	...		...	...	5,816	...	...	...	1,817	...	...	...	...	...	..	1,817	1,817
Total from Reserved Forests ...	21,002	48,693	16,208	657	1,305	24,149	37	3,716	21,468	...	8	1,277	14,056	4,739	23,208	19,313	260	812	38,115	2	22	209	...	...	9	38,124	76,329

Protected Forests.																										
Ráwalpindi	...	...	...	2,637	...	44	...	...	...	..	..	...	...	12,737	32,272	...	...	263	87,014	...	...	...	...	...	...	87,014	87,058
Chenáb	1,614	8,098	4,234	2,594	100	1,778	...	.	...	...	...	...	..	...	...	..	..	...	..	...	...	...	...	...	...	...	1,778
Total from Protected Forests	1,614	8,098	4,234	5,231	100	1,822	..	..	...	..	..	...	..	12,737	32,272	...	...	263	87,014	...	..	..	...	...	...	87,014	88,836
Unclassed Forests.																											
Ráwalpindi	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chamba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kángra	...	...	1,63,573	...	...	2,905	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	2,905
Kulu	...	...	8,964	...	7	237	...	..	4,34,573	...	...	3,098	6,196	...	92,547	...	...	955	1,826	..	...	..	...	...	...	1,826	8,259
Bashahr	...	...	...	...	...	...	...	..	...	...	...	...	...	50	13,800	92,335	...	426	1,666	...	...	...	...	..	...	1,666	1,666
Jhelum	...	...	...	...	...	...	...	...	...	...	...	...	...	1,042	12,759	15,132	25	1,308	2,493	2	47	63	...	10	18	2,511	2,511
Chenáb	5,651	7,768	1,113	379	2	5,175	...	..	...	...	...	...	...	...	...	...	...	...	..	...	..	...	...	...	...	...	5,175
Lahore	8,387	23,129	16,522	2,577	186	26,761	...	...	...	...	...	...	..	...	...	...	...	...	...	68	112	...	...	19	212	212	26,973
Multan	82	337	...	...	...	229	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	229
Montgomery	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...
Ambala	...	..	...	...	...	...	..	...	...	...	...	...	...	...	...	...	..	...	...	...	...	..	...	...	...	...	...
Simla Hill Tracts	...	84	...	...	...	84	..	...	...	...	...	..	...	...	..	..	.	...	...	..	.	...	.	...	...	...	84
Total from Unclassed Forests ..	14,120	31,318	1,90,172	2,956	195	35,391	.	...	4,34,573	...	...	3,098	6,196	1,092	1,19,106	1,07,467	25	2,689	5,985	70	159	63	...	29	230	6,215	47,802
GRAND TOTAL ...	36,736	88,109	2,10,614	8,844	1,600	61,362	37	3,716	4,56,041	...	8	4,375	20,253	18,568	1,74,586	1,26,780	285	3,764	1,31,114	72	181	272	...	29	239	1,31,353	2,12,967

	Rs.	Rs.
Total as per Form No. 55, column 28		2,12,967
Add—		
Value of grazing and grass cutting leases, &c., for which number of animals can not be given and hence not shown in Form No. 55	1,91,416	
Outstandings of previous years realized during 1892-93 ..	19,758	
		2,11,174
Carried over		4,24,141

	Rs.	Rs.
Brought forward		4,24,141
Deduct—		
Value of grazing fees under settlement and free grants per column 27	1,31,353	
Difference between the actual fees received per column 13 and the value at full rates for animals grazing at privileged rates per column 14	15,877	
Outstanding for 1892-93	60,740	
		2,07,970
Total under R. II. (*d*) per Form No. 61		2,16,171

Form No. 56.

AREA OF PLANTATIONS, 1892-93.

Division.	Name of Plantation.	Area in Acres. On 1st April 1892.	Added during the year.	Excluded during the year.	Area on 30th June 1893.	Receipts. Of the year.	Charges. Of the year.	Remarks.
1	2	3	4	5	6	7	8	9
	Regular Plantations.							
Kulu ...	Manali forest garden ..	5	...	5	...	...	...	Inappropriately classed as plantations
	Lee garden	4	...	4	...	...	...	
Bashahr ...	Sholtu	6	...	6	...	...	...	Ditto.
Jhelum ...	Pira Ghaib	200	...	...	200	...	...	
	Gandhala	25	...	...	25	..	...	
Chenab ...	Belás Nath and Pindi-Tatár.	181	...	...	181	217	4	
	Belás Sádhoki ...	1	...	...	1	19	...	
	Do. Kotli Gohan ...	8	...	...	8	65	...	
	Do. Thatta Faqírulla	412	...	...	412	...	5	
	Gházi Chak	5	...	...	5	8	...	
Lahore ...	Chánga Mánga ...	9,080	116	9,196	...	55,503	125	Ditto.
	Shahdara *cum*-Jugián	1,118	21	1,139	...	18,405	109	
	Sadhanwáli	334	...	...	334	222	..	
	Jhok	1,024	...	...	1,024	2,502	...	
	Nág	412	32	...	441	974	2	32 acres due to recent survey by the Settlement Department.
	Carob plantation ...	23	...	..	23	389	199	
Ambala ...	Jalandhar	51	...	...	51	261	...	
	Phillour	220	...	...	220	705	45	
	Ludhiána	197	...	...	197	25	...	
	Jagádhri	201	...	4	197	87	...	4 acres lost by river action.
Simla Hill Tracts.	Sabáthu	334	128	108	354	1,201	399	
	Dagshái	400	368	368	400	1,001	1,305	
	Total Regular Plantations.	14,241	665	10,830	4,076	81,584	2,253	
	Cultural Operations							
Hazara ...	Changlagalli, No. 1 ...	44	...	...	44	...	127	10,201 square feet nursery sown with deodar and *Albizzia lophanta.*
	Do. Forest house plot.	9	...	...	9	...	...	
	Kujagalli	16	...	...	16	...	...	
	Kutli	10	...	...	10	...	123	10,206 square feet nursery sown with deodar and *Albizzia lophanta.*
	Malkandi, No. 1 ...	8	...	...	8	...	...	
	Do. „ 2 .	2	...	...	2	...	...	
	Do. „ 3 ...	40	...	...	40	...	...	
	Núri	5	...	...	5	...	...	
	Mari	5	...	...	5	...	2	
	Karala	3	...	...	3	...	...	
	Makhanyal	2	...	...	2	...	...	
	Garmthun. Mela-ka-Ochar, Lalumar .., Kotjandan ., Toba Danda ..., Bijumar ...	754	...	...	754	...	2	
	Mourti	1	...	...	1	...	...	
	Mauji Keri	9	...	...	9	...	...	
	Bijuban	5	...	...	5	...	...	
	Chachan	3	...	...	3	..	...	
	Mandiáli	2	...	...	2	...	1	Wooding nursery.
	8 Miscellaneous plots	6	...	...	6	...	...	
	Carried over ...	924	...	...	924	..	255	

Form No. 56.

AREA OF PLANTATIONS, 1892-93—*continued.*

Division.	Name of Plantation.	Area in Acres. On 1st April 1892.	Added during the year.	Excluded during the year.	Area on 30th June 1893.	Receipts. Of the year.	Charges. Of the year.	Remarks.
1	2	3	4	5	6	7	8	9
	Brought forward ...	924	...	...	924	...	255	
	Cultural Operations —continued.							
Hazara ...	Malkandi, No. 4 ... / Nuri, No. 2	33	...	...	33	...	...	
	Kamalban ... ... / Nuri, No. 3	100	...	...	100	...	...	
	Bagan, Aru-ka-Bagla	4	...	...	4	...	...	
	Do., Kundlagali ...	9	...	...	9	...	...	
	Dunga, Nathiagali ...	1	...	...	1	...	...	
	Diwán Bela	77	..	..	77	...	...	
	Kamalban, Surbeyla ...	57	...	...	57	...	...	
	Chumbi (Sir)	20	...	...	20	...	...	
	Shinu, Nuri Khás, Bhujián, Gandaka Nakka and Baggaban.	31	...	...	31	...	...	
	Darwáza / Palak } Chumbi ...	3	...	...	3	...	...	
	Darwáza { Satnara, Kali Kutli, Rhinka Nakka.	10	...	...	10	...	1	Weeding nursery.
	Jawálián, Choi Ochar	50	...	...	50	...	23	
	Kerwali, Galian Ochar	33	...	...	33	...	...	
	Kund Patti	3	...	...	3	...	...	
	Abbottabad Depôt ...	...	...	...	...	...	39	
	Nagribala	...	...	...	...	...	13	
	Inder Seri	...	...	...	...	...	27	3,116 square feet of deodar nursery prepared.
	Chatri	...	...	...	...	...	43	13,248 square feet of deodar nursery prepared.
	Total ...	1,355	...	...	1,355	...	401	
Rawalpindi ...	Barakao (Margala) ...	86	...	...	86	...	90	
	Masot Reserve, Compartment 2.	1	9	1	9	...	...	
	Jhila Cherah Reserve, Compartment 29.	...	10	...	10	...	20	
	Panjar Reserve, Compartments 32 and 34.	...	10	...	10	...	39	
	Kála Chitta Reserve ...	...	...	...	...	...	1	
	Total ...	87	29	1	115	...	150	
Chamba ...	Pangi various	64	...	...	64	...	6	
	Bassu	149	...	...	149	...	...	
	Dhauri	25	...	...	25	...	...	
	Kálátop	327	16	...	343	...	417	
	Kainthli	149	...	...	149	...	75	
	Majaur	1	..	...	1	...	...	
	Cherri	2	...	...	2	...	...	
	Padri-Bohar	132	14	16	130	...	216	
	Chatri	82	20	...	102		358	
	Khanni	5	...	2	3	...	...	2 acres lost by landslip.
	Chadbhent	14	23	2	35	...	602	
	Banikhet, Surkhigali and Bakloh.	...	...	...	...	...	20	2,056 square feet nursery.
	Langera	...	...	...	...	...	23	1,500 square feet nursery.
	Khangu	...	...	...	...	...	84	Nursery started.
	Joli Thali	...	5	...	5	...	31	
	Moru	...	...	...	...	...	1	Nursery.
	Total ...	950	78	20	1,008	...	1,881	

Form No. 56.

AREA OF PLANTATIONS, 1892-93—*continued.*

Division.	Name of Plantation.	Area in Acres. On 1st April 1892.	Added during the year.	Excluded during the year.	Area on 30th June 1893.	Receipts. Of the year.	Charges. Of the year.	Remarks.
1	2	3	4	5	6	7	8	9
	Cultural Operations—continued.							
Kangra	Chatril Reserve ...	52	...	..	52	...	79	
	Tatal do. ...	88	...	...	88	...	...	
	Bindrában Reserve ...	11	...	...	11	..	...	
	Dhamtal do. ...	31	10	...	41	..	564	
	Mehdar do. ...	2	...	...	2	...	..	
	Jakar do. ...	15	...	...	15	...	...	
	Ballah do. ...	5	...	...	5	...	...	
	Nalian do. ...	19	...	...	19	...	...	
	Jamoli do. ...	5	...	...	5	...	...	
	Balwal do. ...	5	...	...	5	...	...	
	Samlian do. ...	280	20	10	290	...	65	
	Tilli do. ...	7	3	4	6	...	50	
	Darang do. ...	25	15	10	30	...	52	
	Habrol do. ...	8	...	...	8	...	...	
	Karnpur do. ...	29	10	9	30	...	67	
	Bindrában do. ...	5	...	...	5	...	...	
	Lohára A in 6 places...	35	...	...	35	...	..	
	Do. B in 4 do. ...	15	...	...	15	...	...	
	Panjal Reserve ...	4	...	...	4	...	...	
	Dharni do. ...	1	...	...	1	...	...	
	Bajori in Hamírpur ...	6	...	...	6	...	...	
	Baldon Reserve ...	7	...	...	7	...	...	
	Badiána	45	...	...	45	...	...	
	Hamírpur Tribais ...	124	...	...	124	...	...	
	Bághrián Reserve ...	480	...	489	...	2,533	...	Transferred to Civil authorities, *vide* Punjab Government No. 57, dated 3rd February 1892.
	Mullanwál do. ..	20	...	20	...			
	Nurpur fruit nursery	1	...	...	1	...	46	
	Mastghar	...	2	...	2	...	10	
	Dera nursery	...	...	...	...	...	23	
	Pandain nursery ...	...	...	...	...	...	23	
	Total ...	1,334	60	542	852	2,533	979	
Kulu	Dungri	34	...	...	34	...	...	
	Manalghan	53	...	...	53	...	...	
	Dana-bial	27	..	...	27	...	...	
	Sial-bial	66	...	...	66	...	..	
	Manalgarh	41	2	2	41	...	17	
	Bai-Padri	12	...	...	12	...	...	
	Dani-Deo	35	...	...	35	...	...	
	Chasal, Upper ...	14	1	...	15	...	3	Broad-cast sowing.
	Do., Lower ...	5	...	..	5	...	5	
	Shalingar	35	...	...	35	...	...	
	Dadlu	57	2	...	59	..	20	
	Brunudhár	25	4	...	29	...	31	
	Padi Chaláon	14	...	...	14	...	...	
	Batar Bial	7	...	...	7	...	...	
	Deoban	18	...	...	18	...	...	
	Sesni	6	...	...	6	...	...	
	Photaban	1	...	...	1	...	...	
	Ledi Chaláon	2	...	...	2	...	...	
	Shejuni	6	...	...	6	...	...	
	Fojal Kaláon	6	2	...	8	...	5	
	Seta Dhag	11	...	...	11	...	...	
	Rehni	8	...	...	8	...	...	
	Lamban	1	7	...	8	...	9	Broad-cast sowing.
	Sandhar	5	...	...	5	...	...	
	Gogarsil	3	...	...	3	...	...	
	Chhota Shunjra ...	5	...	...	5	...	...	
	Lot	1	...	...	1	...	...	
	Devi-di-Jhír	5	...	...	5	...	...	
	Bindrában Jerri ...	24	...	...	24	...	...	
	Carried over ...	527	18	2	543	...	90	

Form No. 56.

AREA OF PLANTATIONS, 1892 93—*continued.*

Division.	Name of Plantation.	Area in Acres. On 1st April 1892.	Added during the year.	Excluded during the year.	Area on 30th June 1893.	Receipts. Of the year.	Charges. Of the year.	Remarks.
1	2	3	4	5	6	7	8	9
	Brought forward ...	527	18	2	543	...	90	
	Cultural Operations —continued.							
	Soma Chaláon ...	62	15	...	77	...	85	Rs. Nurseries, new 23 Sowing do. 54 Broad-cast sowing in 9 acres ... 8
	Phulga	15	2	...	17	...	3	Broad-cast sowing.
	Kashol	6	...	...	6	...	...	
	Duikhri	15	...	...	15	...	...	
	Ilagahr...	10	...	...	10	...	...	
	Sawani...	7	9	...	16	...	43	
	Tandi	15	...	...	15	...	...	
Kulu	Bithu Kandu	5	...	...	5	...	...	
	Gohi	4	...	...	4	...	...	
	Daogi	5	...	...	5	...	...	
	Latura	42	...	...	42	...	4	
	Blajdhár	9	...	...	9	...	...	
	Salono	12	...	...	12	...	...	
	Jibi	5	...	...	5	...	...	
	Rámgarh	5	...	...	5	...	...	
	Silla	5	...	...	5	...	...	
	Phon	9	...	...	9	...	1	
	Ratho	30	...	...	30	...	..	
	Bagi	3	...	...	3	...	...	
	Jiya	1	...	...	1	...	1	
	Kut	1	...	...	1	...	...	
	Total ...	793	44	2	835	...	226	
	Nachar, East	135	2	1	136	...	65	
	Runang	53	16	5	64	...	212	
	Sapni-kum-kumi ...	150	6	2	154	...	186	
	Kunahi	4	4	...	8	...	13	
	Kilba	2	...	2	...	...	...	
	Tenden...	37	2	...	39	...	44	
	Darkali and Kashapat	4	...	2	2	...	11	
	Taranda	4	...	...	4	...	...	
	Gutrang	12	...	...	12	...	...	
	Nachar, West	5	...	...	5	...	...	
	Tanglang	8	5	...	13	...	11	
	Jani	33	30	...	63	...	55	
	Panwi	9	...	...	9	...	...	
Bashahr ...	Kulba	2	...	...	2	...	...	
	Junpan-Phinla ...	13	...	...	13	...	...	
	Tikru-Wasankan ...	12	...	...	12	...	...	
	Punang	10	...	...	10	...	6	
	Rulli	6	...	...	6	...	...	
	Shimolang	6	...	...	6	...	2	
	Jangi Kirang	5	...	...	5	...	...	
	Buling	4	...	...	4	...	..	
	Shil	1	...	...	1	...	...	
	Ramni-Mazgani ...	35	25	10	50	...	124	
	Batari	4	...	2	2	...	29	
	Karti-Akpa	...	20	20	...	...	45	
	Chidáli-Kartot ...	...	5	...	5	...	13	
	Purbani	...	...	...	...	...	25	Nursery.
	Total ...	554	115	44	625	...	841	
Jhelum ...	Ban Faqírulla	3	...	...	3	...	...	
	Garat	10	...	...	10	...	...	
	Total ...	13	...	...	13	...	...	

Form No. 56.

AREA OF PLANTATIONS, 1892-93—*continued.*

Division.	Name of Plantation.	Area in Acres. On 1st April 1892.	Added during the year.	Excluded during the year.	Area on 30th June 1893	Receipts. Of the year.	Charges. Of the year.	Remarks
1	2	3	4	5	6	7	8	9
	Cultural Operations —continued.							
Chenab ...	Pabbi	820	37	...	857	989	458	
	Ishar	64	...	...	64	...	...	
	Deowal	68	...	...	68	...	...	
	Pakhowal	41	...	...	41	..	...	
	Kikránwáli	...	...	...	...	86	4	
	Chichra	...	...	...	...	...	7	
	Wazírabad nursery ...	...	...	...	...	...	9	
	Dhori	...	15	15	...	...	37	
	Melowál	...	15	15	...	...	38	
	Total ...	993	67	30	1,030	1,075	553	
Lahore ...	Kot Lakhpat	220	...	...	220	948	...	
	Dhig	45	...	...	45	60	...	
	Seráí Amánat Khan ..	18	...	...	18	...	...	
	Total ..	283	...	...	283	1,008	...	
Multan ...	Makhan Bola	1	...	1	...	...	...	
	Damerwála	6	1	1	6	...	...	
	Kureshi	104	6	3	107	...	...	
	Dandewála	3	...	...	3	...	...	
	Arbi	1	5	3	3	...	233	
	Shujátpur	10	...	10	...	...	..	
	Jholarián	4	6	4	6	...	...	
	Isanwála	3	...	2	1	...	...	
	Chhina Malána ...	4	...	4	...	...	...	
	Kháuwah Reserve ...	14	...	14	...	...	...	
	Búra Kotla	185	7	...	192	...	...	
	Makhdúm Vinoi... ...	...	11	...	11	...	...	
	Dangra	1	2	...	3	...	...	
	Pakka Háji Majíd ...	...	3	1	2	...	...	
	Total ...	330	41	43	334	...	233	
Montgomery ...	Okára	22	...	22	...	...	...	
	New Sohág	...	20	20	...	...	8	
	Total ...	22	20	42	...	...	8	
Simla Hill Tracts Division.	Jutogh	40	130	55	115	438	232	
	Total ...	40	130	55	115	438	232	

Form No. 56.

AREA OF PLANTATIONS, 1892-93—*concluded.*

Division.	Name of Plantation.	Area in Acres. On 1st April 1892.	Added during the year.	Excluded during the year.	Area on 30th June 1893.	Receipts. Of the year.	Charges. Of the year.	Remarks.
1	2	3	4	5	6	7	8	9
	Cultural Operations—concluded.							
Ambala	Kalesar...	...	5	5	...	...	30	
	Total ...	...	5	5	...	...	30	
	Total of Cultural Operations ...	6,760	589	784	6,565	5,054	5,484	
	GRAND TOTAL OF PLANTATIONS AND CULTURAL OPERATIONS ...	21,001	1,254	11,614	10,641	86,638	7,737	
	GRAND TOTAL FOR 1891-92	21,005	729	733	21,001	62,817	53,064	

ABSTRACT OF CHANGES IN AREA OF PLANTATIONS.

	Acres.		Acres.
Total Plantations of all Classes			21,001
Add—			
Work actually done during the year	1,222		
By correction of area by Land Revenue Settlement ..	32		
		1,254	
Deduct—			
Areas inappropriately classed as Plantations	10,213		
Failures struck off	886		
Lost by landslip	2		
„ by river action	4		
Transferred to Civil authorities	509		
		11,614	
Net deduction			10,360
Total of all Classes on 30th June 1893			10,641

ABSTRACT OF CHARGES.

	Rs.		Rs.
Cost of Regular Plantations	2,253		
„ of Cultural Operations	5,484		
			7,737
Add—			
Cost of seed and experiments, &c....	590		
Expenditure on account of fruit culture, gardens and orchards	779		
Expenditure on Chánga Mánga erroneously charged to AVIIIe	33,545		
			34,914
Total			42,651
Deduct—			
Expenditure debited to AVIIIg in Bashahr	18		
Do. do. to AIe in Multan	185		
			203
Expenditure under AVIIIe as per Form No. 61			42,448

Form No. 57.

OUTTURN (IN CUBIC FEET, SOLID) OF TIMBER AND FUEL DURING THE YEAR 1892-93, AND AGENCY OF EXPLOITATION.

Division.	Timber in the rough; Logs.					Timber in the rough, Poles.					Sawn or squared Timber.					Miscellaneous.					Fuel.					Outturn.
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
I.—RESERVED FORESTS																										
Hazara	1,43,243	53,926	...	...	1,96,569			...	...		3,628	...	...		3,628			...	...	...	19,325	82,468	(a) 7,276	(b) 43,725	1,52,794	3,52,991
Rawalpindi		1,13,420	...		1,13,420		316	...	...	316		2,253	...	...	2,253		8	...	...	83	57,916	4,67,716	...	(c) 3,21,490	8,47,122	9,63,194
Chamba	2,659	22,561	...	(f) 4,205	29,425	151	1,959	...	...	2,110	2,22,941	...	...	...	2,22,941		...	...	...		51	39,902	...	...	39,953	2,94,429
Kángra	...	51,714	...	...	51,714	...	...	...	...	...	...	...	...	...	...		...	...	...	...	...	6,668		...	6,668	58,382
Bashahr	4,62,612	...	...		4,62,612	...	...	...	...	...	33,883	...		...	33,883	770	...	...	...	770	...	...		...	...	4,97,265
Jhelum		...	...	...	...	...	...	...	...	...	...	...		...	...	...		...	...	...	415	16,021	(m) 41,404	(n) 2,85,456	3,43,296	3,43,296
Chenab	...	...		...		...	...	...	...	...	...	...	...	...	...		...		...	...	8,140	8,639	...	...	16,779	16,779
Lahore	4,312	503	...	...	4,815	1,125	...	...	...	1,125	...	...	...	...	...		...	...	...	...	6,87,175	9,572	...	...	6,96,747	7,02,687
Multan		...	...			...	1,148	...	...	1,148	...				...		...	...		...	5,04,315	47,839	...	...	5,52,154	5,53,302
Montgomery	...	...	...	...		...	...		...		...	...		...	...		559	...	...	559	3,52,358	16,386	...	...	3,68,744	3,69,303
Ambala						5,098	486	...	...	5,584	106	...	...		106	1,066	22	...	...	1,088	1,19,373	4,162	...	...	1,23,535	1,30,333
Simla Hill Tracts	...	6,164	(p) 410	(q) 5,554	12,128	...	641	(p) 1,007	(q) 5,621	7,269	...	...		...							...		...	(q) 89,180	89,180	1,08,577
Total ...	6,12,826	2,47,688	410	9,759	8,70,683	6,374	4,550	1,007	5,621	17,552	2,60,558	2,253	...		2,62,811	1,836	664			2,500	17,49,068	6,99,393	48,680	7,39,851	32,36,992	43,90,538
II.—PROTECTED FORESTS.																										
Rawalpindi	...	70,979		(e) 1,640	72,619		330	...	(d) 75	405	...	310	...	...	310	...	9	...	...	9	...	26,042	...	(e) 16,79,803	17,05,845	17,79,168
Chenab	...					...					...	...			...			...	...		...	76	...	...	76	76
Total ...		70,979	...	1,640	72,619	...	330	...	75	405		310		...	310		9	...		9	...	26,118	...	16,79,803	17,05,921	17,79,264
III.—UNCLASSED FORESTS.																										
Rawalpindi		5,029		(c) 63,600	68,629	...	410	...	(d) 12,639	13,048	...	795	...		795	...	221	...	...	221	...	3,264	...		3,264	85,957
Chamba		97			97	...	...	...		...	...	...	...	...	...	...		...	...		...	8			8	105
Kangra	...	72,208	(g) 100	(h) 1,90,550	2,62,853	...				...	...	...	...	...	...	...	...	...	...	...	...	12,591	...	(h) 2,455	15,046	2,77,899
Kulu			...	...	...	...	...	...			6,493	...	...	...	6,493	1,744	84,525	(i) 26,209	(j) 2,21,511	3,33,989	...	7,857	...	(j) 1,73,37,500	1,73,45,357	1,76,85,839
Bashahr	...	...	...	...				(k) 3,00,960	...	3,00,960	...	...	(k) 99,150	...	99,150	...	...	...	...		...	...	...	(l) 1,06,68,804	1,06,68,804	1,10,68,914
Jhelum	...	...	...	...	...	...			...	...	...	...	...	...	...	...	...	...	...	...		988	(m) 10,488	(n) 2,25,000	2,36,476	2,36,476
Chenab	...		...	...		...		...	...	...	...	...	...	...	...	...	...	...	...	...	533	1,42,922			1,43,455	1,43,455
Lahore	40	4,655	...	...	4,695			...	...	...	...	...	...	...	...	...	...		...	...	9,210	5,633	(o) 3,676	...	18,519	23,214
Multan	...	...	...	...	...	...	3,322		...	3,322		...	...	...	...	...		...	...		75,071	1,76,223	...	...	2,51,296	2,54,618
Montgomery			...	...	...	...		...	...		...		...	...	...	...	2,377	...	...	2,377	7,75,376	52,118	...	...	8,27,494	8,29,871
Simla Hill Tracts	...	60	...	...	60	...		...	...				...		...	...			...			10	...	...	10	70
Total ...	40	82,044	100	2,54,150	3,36,334	...	3,732	3,00,960	12,639	3,17,330	6,493	795	99,150		1,06,438	1,744	87,123	26,209	2,21,511	3,36,587	8,60,189	4,01,616	14,164	2,92,33,759	2,95,09,728	3,06,06,418

ABSTRACT.

Reserved Forests	6,12,826	2,47,688	410	9,759	8,70,683	6,374	4,550	1,007	5,621	17,552	2,60,558	2,253	...	...	2,62,811	1,836	664	...	...	2,500	17,49,068	6,99,393	48,630	7,39,851	32,36,992	43,90,538
Protected "	...	70,979	...	1,640	72,619	...	330	...	75	405	...	310	...	...	310	9	...	...		9		26,118	...	16,79,803	17,05,921	17,79,264
Unclassed "	40	82,044	100	2,54,150	3,36,334		3,732	3,00,860	12,638	3,17,330	6,493	795	99,150	...	1,06,438	1,744	87,123	26,209	2,21,511	3,36,587	8,60,190	4,01,616	14,164	2,82,33,759	2,95,09,729	3,06,06,418
Grand Total	6,12,866	4,00,711	510	2,65,549	12,79,636	6,374	8,612	3,01,967	18,334	3,35,287	2,67,051	3,358	99,150	...	3,69,559	3,580	87,796	26,209	2,21,511	3,39,096	26,09,258	11,27,127	62,844	3,06,53,413	3,44,52,642	3,67,76,220
Grand Total for 1891-92.	4,35,949	3,63,991	1,820	2,14,930	10,16,680	681	3,932	4,90,880	19,444	5,14,937	1,84,292	2,520	3,31,900	...	5,18,712	13,459	1,14,780	9,368	1,93,094	3,30,701	26,10,509	11,59,906	50,820	2,51,46,848	2,99,68,083	3,13,49,118

Timber, Government Agency.—The gross yield as shown in Form No. 59 under the heads "Received from Forests during the year", "Omitted in previous returns" and "Received by confiscation" comes to 17,90,592 cubic feet, whereas the net outturn of the year as shown in column "Government" of Form No. 57 is 8,89,871 cubic feet.

The difference is explained thus :—

	Form No. 57 column "Government" Cubic feet.	Cubic feet.
Add—		
Hazára Division.—Trees in balance to be converted during 1893-94	11,019	
Wastage obtained by conversion of trees	16,794	
Firewood received by conversion of trees and included under fuel in column "Government" of Form No. 57	6,064	
Chamba Division.—Trees in balance to be converted into scantlings during 1893-94 ...	6,58,023	
Logs in balance to be converted into scantlings during 1893-94 ...	1,44,899	
Wastage obtained by conversion of trees	4,59,776	
Trees struck off	1,490	
Kulu Division.—Wastage obtained by conversion of trees	13,689	
Bashahr " —Ditto ditto	79,640	
Trees in balance to be converted during 1893-94	4,465	
Ambala Division.—Difference between rough and actual measurement of Kalesar timber	256	
		13,95,054

	Cubic feet.	Cubic feet.	Cubic feet.
... ...			8,89,871
Deduct—			
Hazára Division.—Trees in hand at commencement of 1892-93 per Form No. 59 ...	863		
Chamba " Ditto ditto ...	3,49,885		
Logs ditto	5,949		
Scantlings received in advance by conversion of trees remaining in hand at end of 1892-93	1,35,576		
Kulu Division.—Trees in hand at commencement of 1892-93 per Form No. 59 ...	2,060		
		4,94,333	
Net addition			9,00,721
Total as per Form No. 59			17,90,592

Fuel, Government Agency.—53,95,999 cubic feet of firewood and charcoal shown under heads "Received from forests during the year" and "Received by conversion of trees" of Form No. 59, which are partly solid and partly stacked, are equal to 26,09,258 cubic feet solid of fuel shown in column "Government" of Form No. 57.

Hazára Division—(*a*). Punjab Government No. 417, dated 30th August 1888, value Rs. 152.
(*b*). Value Rs. 1,458.
Rawalpindi " —(*c*). Estimated value Rs. 5,679.
(*d*). Estimated value Rs. 318.
(*e*). Estimated value Rs. 47,910.
Chamba " —(*f*). Estimated value Rs. 45.
Kángra " —(*g*). Estimated value Rs. 10.
(*h*). Estimated value Rs. 12,960.
Kulu " —(*i*). 26,209 cubic feet timber given for local works, estimated value Rs. 2,639.
(*j*). 2,21,511 cubic feet timber, value Rs. 3,462 and 1,73,37,500 cubic feet fuel, value Rs. 86,687, granted for building and other domestic purposes.
Bashahr " —(*k*). 4,00,110 cubic feet timber given as free grants, valued at Rs. 6,597.
(*l*). 1,06,68,804 cubic feet firewood removed by right-holders for building, agricultural and other domestic purposes, valued at Rs. 2,08,375.
Jhelum " —(*m*). 51,892 cubic feet firewood under free grants, valued at Rs. 3,112.
(*n*). 10,456 cubic feet fuel under right-holders were removed by members of Salt Department and villagers residing in the vicinity of forests for their household consumption. Estimated value Rs. 29,091.
Lahore " —(*o*). 3,676 cubic feet fuel removed by the Mahant of Bhai Pheru, valued at Rs. 258.
Simla Hill Tracts (*p*). 1,417 cubic feet timber given as free grants, valued at Rs. 57.
(*q*). 11 175 cubic feet timber and 69,180 cubic feet firewood removed by right-holders for building and other domestic purposes, valued at Rs. 675 and Rs. 1,750 respectively.

Form No. 58.

OUTTURN OF MINOR FOREST PRODUCE DURING THE YEAR 1892-93.

Division.	Description of Produce.	PRODUCE REMOVED OR UTILIZED. By Government Agency. Quantity.	By Government Agency. Value.	By Purchasers. Quantity.	By Purchasers. Value.	By Free Grants. Quantity	By Free Grants. Value.	By Right-holders. Quantity.	By Right-holders. Value.	Total. Quantity.	Total. Value.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	
			Rs.		Rs.		Rs.		Rs.		Rs.	
					Reserved Forests.							
Hazára ...	Grazing by leases (acres)	...	...	27,755	921	...	...	...	...	27,755	921	
	" by permits (number of cattle) ...	...	...	10,198	1,293	...	...	...	...	10,198	1,293	
	" by settlement (acres)	...	...	...	...	...	...	11,027	446	11.027	446	
	Grass (head-loads)	...	...	1,53,955	4,276	1,800	30	...	...	1,55,755	4,306	
	" by leases (acres)	...	...	47,127	4,491	...	...	...	...	47,127	4,491	
	" by settlement (acres)	...	...	...	...	...	...	3,840	345	3,840	345	
	Leaf fodder by settlement (acres)	...	...	...	...	...	...	558	62	558	62	
	Turpentine (maunds)	2	10	...	...	...	...	...	...	2	10	
	Chir bark (")	...	...	34	17	...	...	...	...	34	17	
	Imli and bhan leaves (maunds)	10	61	114	28	...	...	...	...	124	89	
Ráwalpindi ...	Grazing by leases (acres)	...	...	25,341	1,541	...	...	...	...	25.341	1,541	
	" (number of cattle)	...	...	24,828	1.246	...	...	23,494	46,523	48,322	47.769	
	Grass cutting by leases (acres)	...	...	1.74,055	10,384	...	...	...	...	1,74,055	10,384	
	" " (head-loads)	...	...	14,866	280	...	...	...	...	14,866	280	
	" " (maunds)	...	...	...	...	...	...	94,668	2,958	94,668	2,958	
	Sanátha (head-loads)	...	...	286	18	...	...	...	...	286	18	
	Marwan (loads)	...	...	261	17	...	...	...	...	261	17	
	Stone (cubic feet)	...	...	46,200	231	...	...	...	...	46.200	231	
	Aola leaves (loads)	...	...	585	110	...	...	...	...	585	110	
	" " (acres)	...	...	5,096	175	...	...	...	...	5,096	175	
	Grass and minor produce confiscated (loads) ...	...	...	26	3	...	...	...	...	26	3	
Chamba ...	Grass (maunds)	...	...	27,415	1,136	...	...	...	...	27,415	1,136	

Kángra ...	Bamboos (No.)	5,82,310	11,179	2,855	62	...	...	...	...	5,85,165	11,241
	Grass (acres)	...	...	40,427	2,190	...	...	...	...	40,427	2,190
	Grazing (acres)	...	...	1,612	161	...	...	...	...	1,612	161
	Mill-stones (cubic feet)	...	...	5	1	...	...	...	...	5	1
	Other minor produce	...	...	...	19	...	...	...	...	...	19
Jhelum ...	Grazing by leases (acres)	...	...	1,42,125	4,959	...	...	...	...	1,42,125	4,959
	„ by settlement (number of cattle) ...	...	...	...	...	233	9	17,635	2,001	17,868	2,010
	„ by permits (cattle)	...	...	7.250	2,923	...	...	...	...	7,250	2,923
	Grass-cutting by leases (acres)	...	...	97,268	6,569	...	...	...	...	97,268	6.569
	„ „ by permits (No.)	...	...	147	160	...	...	...	...	147	160
	„ „ (loads)	...	...	402	505	...	...	...	...	402	505
	Stone (cubic feet)	...	...	41,875	105	3,94,603	986	...	...	4,36,478	1,091
	Reed and kahi (maunds)	...	...	1,331	133	...	...	...	...	1,331	133
	Kahi (acres)	...	...	103	210	...	...	...	...	103	210
	Clay (cubic feet)	...	...	2,65,673	100	...	...	...	...	2,65,673	100
	Coal (tons)	...	...	7,168	896	...	...	...	...	7,168	896
	Other minor produce	...	...	...	5	...	...	...	...	...	5
Hissar ...	Grazing by leases (acres)	...	...	76,473	11,339	...	...	...	...	76,473	11,339
	„ by permits (cattle)	...	...	10,769	3,383	...	...	...	...	10,769	3,383
	Grass cutting (acres)	...	...	828	471	...	...	...	...	828	471
	„ „ (maunds)	...	...	10	4	...	...	...	...	10	4
	„ „ (head-loads)	...	...	14,686	877	...	...	...	...	14,686	877
	Stone (cubic feet)	...	...	1,029	10	...	...	...	...	1,029	10
	Mallah leaves (acres)	...	...	619	22	...	...	...	...	619	22
	„ „ (head-loads)	...	...	386	8	...	...	...	...	386	8
Lahore ...	Grass by permits (loads)	...	...	19,182	701	...	...	...	...	19,182	701
	„ „ (maunds)	...	...	1	...	...	...	...	...	1	...
	Grass by leases (acres)	...	...	2,432	1,100	...	...	...	...	2.432	1,100
	Grazing by leases (acres)	...	...	1,911	1,900	...	...	...	...	1,911	1,900
	„ permits (cattle	...	...	15,568	9,105	...	...	...	...	15,568	9,105
	Munj, kána and sar by permits (loads) ...	...	...	174	30	...	...	...	...	174	30
	„ „ by leases (acres)	...	...	5,539	1,848	...	...	...	...	5,539	1,848
	Kahi and pilchi by leases (acres)	...	...	265	90	...	...	...	...	265	90
	Munj, kána and sar by permits (bundles) ...	...	...	689	113	...	...	...	...	689	113
	Sar by permits (maunds)	...	...	8	1	...	...	...	..	8	1
	Dhák leaves (maunds)	...	...	60	10	...	...	...	...	60	10
Multan ...	Grass (maunds)	80	5	2,503	314	...	...	...	...	2,583	319
	„ (loads)	...	...	1.781	153	...	...	...	...	1,781	153
	Grazing by permits (number of cattle) ...	...	...	31,468	5,961	...	...	...	...	31,468	5,961
	„ by leases (acres)	...	...	1,238	140	...	...	...	...	1,238	140
	Munj, kána (maunds)	...	...	143	66	...	...	...	...	143	66
	Fruits („)	...	...	604	158	...	..	...	...	604	158
	Sajji („)	...	...	60	23	...	...	...	...	60	23

Form No. 58.

OUTTURN OF MINOR FOREST PRODUCE DURING THE YEAR 1892-93—*continued.*

Division.	Description of Produce.	PRODUCE REMOVED OR UTILIZED. By Government Agency. Quantity.	By Government Agency. Value.	By Purchasers. Quantity.	By Purchasers. Value.	By Free Grants. Quantity.	By Free Grants. Value.	By Right-holders. Quantity.	By Right-holders. Value.	Total. Quantity.	Total. Value.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	
			Rs.		Rs.		Rs.		Rs.		Rs.	
	Reserved Forests—*concluded.*											
Montgomery	Grazing by leases (acres)	...	...	61,192	4,267	...	...	...	...	61,192	4,267	
	„ by permits (cattle)	...	...	1,212	199	...	...	...	...	1,212	199	
	Grass cutting (maunds)	...	...	9,872	1,234	...	...	...	...	9,872	1,234	
	„ „ by leases (acres)	...	...	7,165	401	...	...	...	...	7,165	401	
	Grass (loads)	...	...	12,481	630	...	...	...	...	12,481	630	Cart loads ... ... 6 Camel „ ... ... 3 Pony „ ... .. 179 Donkey „ ... ... 5,693 Head „ ... ... 6,600 Total ...12,481
	Sawánk seed (head-loads)	...	...	6,026	66	...	...	...	...	6,026	66	
	Mallah leaves (acres)	...	...	19,324	72	...	...	...	...	19,324	72	
	Langi twigs („)	...	...	570	10	...	...	...	...	570	10	
	Munj, kána („)	...	...	36,988	1,279	...	...	...	...	36,988	1,279	
	Lání („)	...	...	4,580	45	...	...	...	...	4,580	45	
	Sar and kána (loads)	...	...	7,500	63	...	...	...	...	7,500	63	Head-loads... ... 7,495 Donkey „ ... .. 5 Total ... 7,500
Ambala	Grazing (number of cattle)	...	...	537	234	...	...	...	...	537	234	
	Grass cutting by leases (acres)	...	...	452	831	...	...	...	...	452	831	
	Bamboos (No.)	...	...	1,900	15	...	...	...	...	1,900	15	
	Bhabár and other grasses (loads)	...	...	224	44	...	...	...	...	224	44	Head-loads... ... 148 Cart „ ... ... 76 Total ... 224
	„ „ (maunds)	...	...	1,000	18	...	...	...	...	1,000	18	
	Minor produce by leases (acres)	...	...	3,274	125	...	...	...	...	3,274	125	
Simla Hill Tracts	Grass and grazing (number of cattle)	...	...	...	...	...	...	5,816	1,817	5,816	1,817	
	Total from Reserved Forests	...	11,255	...	92,525	...	1,025	...	54,152	...	1,58,957	

		Protected Forests.										
Rawalpindi ...	Grazing by permits (number of cattle) ...	...	...	2,637	44	...	...	...	...	2,637	44	
	„ by settlement („) ...	...	...	...	...	...	...	45,272	87,014	45,272	87,014	
	Bhabar grass (loads)	...	...	302	22	...	...	...	...	302	22	Head loads ... 265
	Minor produce confiscated	...	...	...	1	...	...	...	...	...	1	Donkey „ ... 27
	„ (seers)	...	...	15	...	...	...	...	...	15	...	Bullock „ ... 9
Chenab ...	Grazing by leases (acres)	...	...	7,193	831	...	...	...	...	7,193	831	Pony „ ... 1
	„ by permits (cattle)	...	...	16,640	1,778	...	...	...	...	16,640	1,778	Total ... 302
	Total from Protected Forests ...	...	...	...	2,676	...	...	...	87,014	...	89,690	
		Unclassed Forests.										
Ráwalpindi ...	Grazing by leases (acres)	...	...	65,536	2,543	...	...	...	...	65,536	2,543	
	Sanátha (head-loads)	...	...	...	...	...	...	585	36	585	36	
	Minor produce confiscated	...	...	..	17	...	...	...	...	...	17	
Kangra ...	Bamboos (No.)	47,481	1,020	994	6	...	...	...	...	48,475	1,026	
	Grass (acres)	...	...	923	229	...	...	...	...	923	229	
	Grazing („)	...	...	1,91,285	2,965	...	...	...	...	1,91,285	2,965	
	Other minor produce	...	...	...	4	...	...	...	...	...	4	
Kulu ...	Grass (maunds)	...	...	32	2	...	...	33,12,500	33,125	33,12,532	33,127	
	„ (loads)	...	...	150	5	...	...	...	..	150	5	
	„ (acres)	...	...	95	15	...	...	...	...	95	15	
	Grazing (heads) cattle, sheep, &c.	...	...	4,43,544	3,335	...	...	93,502	1,826	5,37,046	5,161	
	Vegetable mould (maunds)	...	...	...	...	...	...	15,09,469	30,000	15,09,469	30,000	
	Patis (*Aconite*) („)	...	...	...	...	...	...	85	4,250	85	4,250	
	Karu (*Gentian*) („)	...	...	...	...	...	...	550	3,025	550	3,025	
	Egilbir (maunds)	...	...	...	...	...	...	45	450	45	450	
	Dhúp (*Juniperus communis*) (maunds)	...	...	...	...	...	...	60	120	60	120	
	Binafsha (*Viola serpens*) („)	...	...	...	...	...	...	180	7,200	180	7,200	
	Khut (*Aucklandia*) (maunds)	...	...	...	...	...	...	23	276	23	276	
	Nihani (*Valariana*) (maunds)	...	...	...	...	...	...	5	32	5	32	
	Tatakbar (Horse chestnut) (maunds) ...	...	...	...	...	...	...	35	88	35	88	
	Carraway seed (*tira*) (maunds)	...	...	...	...	...	...	40	600	40	600	
	„ (*singhu*) (maunds)	...	...	...	...	...	...	10	80	10	80	
	Walnuts (fruits) (maunds)	...	...	...	...	...	...	80	100	80	100	
	Sheroli nuts (maunds)	...	...	...	...	...	...	4	8	4	8	
	Pomegranate seed (maunds)	...	...	...	...	...	...	46	90	45	90	
	Sohr (maunds)	...	...	1	...	...	...	...	...	1	...	
	Podophyllum emodi roots (maunds) ...	5	53	...	...	...	...	...	...	5	53	
	Slates (No.)	...	...	3,892	10	...	...	...	...	3,892	10	
Bashahr ...	Grass, grazing and other fodder (maunds) ...	...	...	...	...	...	...	55,15,469	28,726	55,15,469	28,726	
	Branches, &c., for manure (maunds) ...	...	...	..	...	...	...	10,24,635	10,677	10,24,635	10,677	
	Other minor produce (maunds)	...	...	...	...	...	..	625	3,125	625	3,125	

Form No. 58.

OUTTURN OF MINOR FOREST PRODUCE DURING THE YEAR 1892-93—*concluded.*

Division.	Description of Produce.	PRODUCE REMOVED OR UTILIZED. By Government Agency. Quantity.	By Government Agency. Value.	By Purchasers. Quantity.	By Purchasers. Value.	By Free Grants. Quantity.	By Free Grants. Value.	By Right-holders. Quantity	By Right-holders. Value.	Total. Quantity.	Total. Value.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	
			Rs.		Rs.		Rs.		Rs.		Rs.	
	Unclassed Forests—*concluded.*											
Jhelum ...	Grazing by leases (acres)	...	...	2,84,195	8,679	...	...	...	...	2,84,195	8,679	
	„ by settlement (cattle)	...	...	...	...	122	14	30,266	1,994	30,388	2,008	
	„ by settlement	...	...	...	...	...	4	...	499	...	503	
	Grass cutting by settlement (men) ...	...	...	...	...	3	2	...	...	3	2	
	Stone (cubic feet)	...	...	3,700	9	...	...	...	...	3,700	9	
Chenab ...	Grazing by leases (acres)	...	...	2,63,474	53,451	...	...	...	..	2,63,474	53,451	
	„ by permits (cattle)	...	...	14,913	5,175	...	...	...	...	14,913	5,175	
	Grass cutting (acres)	...	...	6,424	834	...	...	...	...	6,424	834	
	Saltpetre (karahas)	...	...	7	86	...	...	...	...	7	86	
	Pilchi (acres)	...	...	1,013	20	...	...	...	...	1,013	20	
	Grass by permits (maunds)	...	...	229	19	...	...	...	...	229	19	
	„ „ (loads)	...	..	1,107	145	...	...	...	...	1,107	145	
	„ by lease (acres)	...	...	1,600	1,310	...	...	...	...	1,600	1,310	
Lahore ...	Grazing by leases (acres)	...	...	1,42,918	24,981	...	...	...	..	1,42,918	24,981	
	„ by permits (cattle)	...	...	50,906	26,761	199	212	...	...	51,105	26,973	
	Munj, kána by leases (acres)	..	...	26,973	1,748	...	...	...	...	26,973	1,748	
	Lána by leases (acres)	...	...	1,000	85	...	...	...	...	1,000	85	
	Kankar by leases (kanal)	...	...	8	36	...	...	...	...	8	36	
	Saltpetre	...	...	...	49	...	...	...	..	...	49	
Multan ...	Grass (maunds)	2,136	306	85	16	...	...	...	...	2,221	322	
	Grazing by permits (No. of cattle) ...	...	...	419	229	...	...	...	...	419	229	
	„ by leases (acres)	...	...	91,997	7,602	...	...	...	...	91,997	7,602	
	Munj, kána (maunds)	...	...	445	332	...	...		...	445	332	
	Fruits („)	...	...	3	5	...	...	...	...	3	5	
	Sajji („)	...	...	4	13	...	...	...	...	4	13	
	Minor produce (maunds)	...	...	164	24	...	...	...	...	164	24	
Montgomery ...	Grazing by leases (acres)	...	...	4,85 029	27,803	...	...	...	...	4,85,029	27,803	
	Máin by leases („)	...	...	4,85,029	1,878	...	...	...	...	4,85,029	1,878	
	Saltpetre (pans)	...	...	16	530	...	...	...	...	16	530	
	Munj, kána (acres)	...	...	96,088	634	...	...	...	...	96,088	634	
	Sar and kána (loads)	...	...	5,190	47	...	...	...	...	5,190	*47	
	Minor produce (maunds)	...	...	6,975	36	...	...	...	...	6,975	36	
	Other minor produce	...	...	...	1	...	...	...	...	...	1	

Remarks.	
*Donkey loads ...	58
Head „ ...	5,132
Total ...	5,190

Simla Hill Tracts ...	Grazing by permits (cattle)	...	...	84	84	...	...	...	...	84	84
	Grass (acres)	...	...	710	2,000	...	...	...	...	710	2,000
	" (maunds)	682	424	316	38	..	...	...	...	998	462
	Total from Unclassed Forests ...	...	1,803	...	1,73,391	...	232	...	1,26,327	...	3,02,153
	Abstract for Reserved Forests.										
	Grazing	...	...	...	49,572	...	9	...	50,787	...	1,00,368
	Grass	...	5	...	36,707	...	30	...	3,365	...	40,107
	Bamboos	...	11,179	...	77	...	...	...	...	...	11,256
	Other minor produce	...	71	...	6,169	...	986	...	...	...	7,226
	Total ...	...	11,255	...	92,525	...	1,025	...	54,152	...	1,58,957
	Abstract for Protected Forests.										
	Grazing	...	...	...	2,653	...	...	...	87,014	...	89,667
	Other minor produce	...	...	...	23	...	...	...	...	...	23
	Total ...	...	...	...	2,676	...	...	...	87,014	...	89,690
	Abstract for Unclassed Forests.										
	Grazing	...	...	...	1,63,608	...	230	...	4,319	...	1,68,157
	Grass	...	730	...	4,613	...	2	...	61,851	...	67,196
	Bamboos	...	1,020	...	6	...	...	...	...	...	1,026
	Other minor produce	...	53	...	5,564	...	...	...	60,157	...	65,774
	Total ...	...	1,803	...	1,73,791	...	232	...	1,26,327	...	3,02,153
	GRAND TOTAL ...	..	13,058	...	2,68,992	...	1,257	...	2,67,493	...	5,50,800
	GRAND TOTAL FOR 1891-92 ...	...	13,204	...	2,28,379	...	11,928	...	2,31,669	...	4,85,180

Add—

		Rs.	
Hazára Division—Outstanding of former years ...		23	
Do. do. Value of last year's produce ...		47	
Chenáb do. Outstanding of former years ...		1,802	
Lahore do. do. do. ...		22	
Multan do. do. do. ...		10	
Montgomery do. do. do. ...		18,424	
Ambala do. Value of produce sold from a bungalow compound		45	
Simla Hill Tracts Division.—Value of last year's produce ...		256	
			20,629

Deduct—

		Rs.		Rs.
Hazára Division—Outstanding of 1892-93		194		5,50,800
Ráwalpindi do. do.		1,964		
Jhelum do. do.		5,916		
Chenáb do. do.		25,497		
Lahore do. do		7,493		
Kángra do. Value of produce used departmentally ...		4		
Multan do. Value of produce written off ...		10		
Do. do. " of " unsold		14		
Do. do. Outstanding of 1892-93		832		
Montgomery do. Outstanding at end of 1892-93 ...		20,608		
Do. do. Value of produce written off ...		8		
Simla Hill Tracts Division.—Value of produce unsold ...		333		
Total under "Free Grants" and "Right-holders" ...		2,68,750		
			3,31,623	
Net deduction				3,10,994
Total Receipts under Ic, Ie, IIc, IId, IIe and Part III (Rs. 21)				2,39,806

Form No. 59.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO SALE DEPÔTS, SOLD LOCALLY OR OTHERWISE DISPOSED OF, DURING THE YEAR 1892-93.

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.	Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
1	2	3	4	5	6	7	8	9	10
BALANCE IN HAND AT COMMENCEMENT OF THE YEAR.					**TIMBER.**				
Hazdra Division.					**DISPOSALS.**				
Oak trees	4	863			(1).—TRUE DISPOSALS.				
Deodar logs ...	1,777	86,992			REMOVED BY PURCHASERS FROM DEPÔTS.				
Pine and other logs	233	10,283							
Deodar scantlings	56	65							
Pine and other scantlings ...	4,729	6,855			Deodar logs ...	12,098	3,39,283		
			6,799	1,05,058	Pine and other logs	5,176	74,786		
Chamba Division.					Box-wood logs ...	23	20		
					B. G. sleepers ...	8,025	27,713		
Forest Depôts.					N. G. " ...	249	411		
					Deodar " ...	53	173		
Deodar trees ...	1,084	3,49,885			Sleepers ...	23	68		
Deodar logs ...	288	5,949			Pine sleepers ...	5	23		
Deodar sleepers ...	90	312			Deodar sleepers and scantlings ...	42,496	1,22,591		
Sale Depôts.					Pine and other scantlings ...	10,672	12,175		
Deodar logs ...	569	28,000			Deodar poles ...	72	141		
Pine and other logs ...	2	30			Pine and other poles	20	10		
Deodar sleepers and scantlings ...	21,104	67,623			Chil ballas ...	1	2		
Deodar scantlings	259	297			Miscellaneous pieces	4,127	11,782		
Pine and other scantlings ...	64	72			Drift and waif wood	690	2,934		
					Tors and ballas ...	4,301	5,560		
			23,460	4,52,774				88,031	5,97,672
Kangra Division.					USED BY DEPARTMENT.				
					Pine trees ...	24	1,561		
Deodar logs ..	221	10,151			Deodar logs ...	175	3,505		
Pine and other logs ...	1	24			Pine and other logs	23	575		
B. G. sleepers ..	2,383	8,268			Deodar sleepers and scantlings ...	2,084	1,881		
N. G. " ...	177	331			Deodar scantlings	418	941		
Miscellaneous scantlings ...	16	24			Pine and other scantlings ...	676	893		
Miscellaneous pieces ...	46	46			Deodar pieces ...	4	48		
Drift and waif wood	3	45			Miscellaneous pieces	22	66		
			2,847	18,889				3,421	9,470
Kulu Division.					MADE OVER TO CONTRACTORS.				
Deodar trees ...	20	2,060			Pine and other logs	...	3		
			20	2,060				...	
Bashahr Division.					LOST BY WASTAGE.				
Deodar logs ...	937	29,932			Deodar trees ...	...	3,12,560		
Pine and other logs	154	4,500			Pine and other trees	...	47,104		
Box-wood logs ...	8,515	5,358			Deodar logs ...	...	1,95,848		
B. G. sleepers ...	4,130	14,331			Pine and other logs	...	13,503		
			13,736	54,121				...	5,69,015
Jhelum Division.					LOST BY REMEASUREMENT AND STRUCK OFF FROM OTHER CAUSES.				
Deodar logs ...	2,161	70,658							
Pine and other logs	469	11,475							
Sleepers ...	252	841							
Miscellaneous pieces ...	65	179			Deodar trees ...	2	280		
			2,947	83,153	Pine and other trees	6	1,210		
Chenáb Division.					Deodar logs ...	14	2,670		
					Pine and other logs	24	270		
Deodar logs ...	190	1,313			Deodar sleepers and scantlings ...	54	160		
Pine and other logs	205	2,051			Pine and other scantlings ...	5	6		
B G. sleepers ...	5	15			Tors and ballas ...	109	466		
Miscellaneous pieces	477	1,767							
			877	5,146				214	5,062
Carried over ...	...	...	50,686	7,21,201	*Carried over* ...	...	...	91,666	11,81,222

Form No. 59.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO SALE DEPÔTS, SOLD LOCALLY OR OTHERWISE DISPOSED OF, DURING THE YEAR 1892-93—*continued.*

Particulars.	No or quantity.	Cubic feet.	Total of each head. No. or quantity	Total of each head. Cubic feet.
1	2	3	4	5
Brought forward ...	..	...	50,686	7,21,201
Lahore Division.				
Logs ...	416	4,597	416	4,597
Ambala Division.				
Deodar logs ...	8,675	2,60,066		
Pine and other logs	1,078	16,069		
Box-wood logs ...	24	17		
B. G. sleepers ...	197	684		
N. G. " ...	53	71		
Confiscated B. G. sleepers ...	28	97		
Confiscated N. G. sleepers ..	10	13		
Confiscated scantlings ...	5	9		
Miscellaneous pieces	1,659	3,175	11,729	2,89,201
Simla Hill Tracts Division.				
Deodar scantlings	250	220	250	220
TOTAL BALANCE		...	63,081	10,15,219
RECEIPTS.				
(1) TRUE RECEIPTS.				
RECEIVED FROM FORESTS DURING THE YEAR.				
Deodar trees ...	4,433	14,40,882		
Pine and other trees	687	1,59,459		
Deodar logs ..	5,960	1,64,417		
Pine and other logs	1,278	8,209		
Deodar sleepers and scantlings ...	1,833	860		
Deodar poles ...	72	141		
Pine and other poles	20	10		
Miscellaneous pieces	122	769		
Tors and ballas ...	4,524	6,526	18,929	17,90,273
OMITTED IN PREVIOUS RETURNS.				
N. G. sleepers ...	50	50		
Deodar scantlings	115	153		
Pine and other scantlings ...	30	29	195	232
RECEIVED BY CONFISCATION.				
Miscellaneous pieces	9	87	9	87
RECEIVED BY COLLECTION OF DRIFT AND WAIF.				
Miscellaneous pieces	1	1		
Drift and waif wood	520	2,565	521	2,566
Carried over ...	...	...	19,654	17,93,158

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
6	7	8	9	10
Brought forward ...	...	...	91,666	11,81,222
MADE OVER TO FREE GRANTEES.				
Deodar scantlings	614	1,535	614	1,535
DESPATCHED FROM FORESTS BUT NOT YET RECEIVED.				
Deodar logs ...	2,787	1,71,718		
Pine and other logs	38	3,204		
B. G. sleepers ...	2,853	9,900		
Deodar sleepers and scantlings ...	22,379	82,768		
Pine and other scantlings ...	290	1,705	28,347	2,69,295
TOTAL TRUE DISPOSALS ...			1,20,627	14,52,052
(2) CROSS DISPOSALS.				
TRANSFERRED TO OTHER CLASSES.				
Deodar trees ...	4,084	8,28,455		
Pine and other trees ...	617	97,533		
Deodar logs ...	14,554	2,29,510		
Pine and other logs	895	15,487		
Miscellaneous pieces	1	2	20,151	(a) 11,70,987
BY CANCELLING OF SALE.				
Pine and other logs	12	525	12	525
TRANSFERRED TO OTHER DEPÔTS.				
Deodar logs ...	8,710	2,27,124		
Pine and other logs	748	23,704		
B. G. sleepers ...	7,063	24,508		
N. G. " ...	19	36		
Deodar sleepers and scantlings ...	75,532	2,24,401		
Pine and other scantlings ...	12,538	14,326		
Deodar poles ...	6	9		
Pine and other poles ...	20	10		
Deodar beams ...	40	436		
Miscellaneous pieces	125	780		
Tors ...	40	50	1,04,841	5,15,384
TOTAL CROSS DISPOSALS ..	...	...	1,25,004	16,86,896
TOTAL DISPOSALS ...			2,45,631	31,38,948

(a) 1,191 cubic feet transferred to shingles (*vide* Form 59 for Miscellaneous Produce.)
6,064 cubic feet transferred to charcoal (*vide* Form 59 for Firewood and Charcoal.)

Form No. 59.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO SALE DEPÔTS, SOLD LOCALLY OR OTHERWISE DISPOSED OF, DURING THE YEAR 1892-93—*continued.*

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
1	2	3	4	5
Brought forward ...	...	...	19,654	17,93,158
Received in Forest cases.				
Pine logs ...	1	9		
Sleepers ...	9	18		
Miscellaneous pieces	43	54		
			53	81
Gained by remeasurement.				
Deodar logs ...	...	4,198		
Pine and other logs	...	1,380		
Pine and other scantlings ...	...	2		
			...	5,580
Drift Timber transferred to Government Account.				
Deodar logs ...	552	8,627		
Pine and other logs	376	4,878		
B. G. sleepers ...	303	957		
N. G. „ ...	21	28		
Deodar „ ...	53	173		
Sleepers ...	36	125		
Deodar sleepers and scantlings ...	12	30		
Pine sleepers ...	5	23		
Pine and other scantlings ...	53	58		
Chil ballas ...	1	2		
Miscellaneous pieces	1,212	4,356		
Drift wood ...	187	401		
			2,811	19,661
Unmarked timber received during the year.				
Deodar logs ...	359	9,228		
Pine and other logs	570	13,237		
Sleepers ...	47	164		
Miscellaneous pieces	541	395		
			1,517	23,024
Received from previous launchings				
Deodar logs ...	4,716	1,17,749		
Pine and other logs	2,276	29,427		
B. G. sleepers ...	226	756		
N. G. „ ...	35	58		
Sleepers ...	3	10		
Pine and other scantlings ...	1	1		
Miscellaneous pieces	1,987	4,654		
			9,244	1,52,655
TOTAL TRUE RECEIPTS ...	...	...	33,279	19,94,159
(2) CROSS RECEIPTS.				
Received by transfer from other classes.				
Deodar logs ...	23,169	8,21,823		
Pine and other logs	2,572	89,161		
B. G. sleepers ...	8,873	30,790		
N. G. „ ..	284	532		
Sleepers ...	1	2		
Deodar sleepers and scantlings ..	61,922	1,94,542		
Deodar scantlings	3,555	8,822		
Pine and other scantlings ...	13,324	17,917		
Miscellaneous pieces	15	143		
			1,13,715	11,63,782
Carried over ...	...	...	1,13,715	11,63,732

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
6	7	8	9	10
BALANCE AT CLOSE OF THE YEAR.				
Hazára Division.				
Pine and other trees	32	11,019		
Deodar logs ...	1,545	78,541		
Pine and other logs	678	36,299		
Deodar scantlings	48	58		
Pine and other scantlings ...	5,282	7,275		
			7,585	1,33,192
Chamba Division.				
Forest Depôts.				
Deodar trees ...	1,435	6,56,127		
Pine and other trees	12	1,895		
Deodar logs ...	4,567	1,37,356		
Pine and other logs	545	7,543		
Deodar sleepers and scantlings ...	5,868	20,398		
Pine and other scantlings ...	776	3,708		
Sale Depôts—				
Deodar logs ...	1,894	55,054		
Pine and other logs	514	8,066		
Deodar sleepers and scantlings ...	15,589	46,496		
Pine and other scantlings ...	877	967		
			32,077	9,37,610
Kángra Division.				
Deodar logs ...	335	18,324		
Pine and other logs	19	424		
B. G. sleepers ...	30	103		
N. G. „ ...	20	38		
Miscellaneous scantlings ...	16	24		
Miscellaneous pieces	4	5		
Drift and waif ...	20	80		
			444	18,998
Kulu Division.				
B. G. sleepers ...	1,651	5,729		
N. G. „ ...	284	532		
Deodar scantlings	64	101		
Deodar piece	1	48		
Miscellaneous pieces	3	3		
			2,003	6,413
Bashahr Division.				
Forest Depôts.				
Deodar trees ...	16	4,405		
Deodar logs ...	4,513	2,09,207		
Pine and other logs	162	6,618		
B. G. sleepers ...	1,704	5,914		
Deodar scantlings	2,587	6,405		
Sale Depôts—				
Box-wood logs ...	8,492	5,338		
			17,474	2,37,887
Carried over ...	...	...	59,583	13,34,100

Form No. 59.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO SALE DEPÔTS, SOLD LOCALLY OR OTHERWISE DISPOSED OF, DURING THE YEAR 1892-93—*continued.*

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.	Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
1	2	3	4	5	6	7	8	9	10
Brought forward ...	...	...	1,13,715	11,63,732	*Brought forward* ...	...	..	59,583	13,34,100
RECEIVED BY CANCELLATION OF SALE.					*Jhelum Division.*				
					Deodar logs ...	1,699	59,155		
					Pine and other logs	681	16,608		
Pine and other logs	12	525			Sleepers	325	1,092		
			12	525	Miscellaneous pieces	76	139		
RECEIVED BY TRANSFER FROM OTHER DEPOTS.								2,781	76,994
					Chenâb Division.				
Deodar logs ...	8,710	2,27,124			Deodar logs ...	19	552		
Pine and other logs	748	23,704			Pine and other logs	1	13		
B. G. sleepers ..	7,063	24,503			B. G. sleepers ...	20	78		
N. G. ,, ..	19	36			Miscellaneous pieces	42	108		
Deodar sleepers and scantlings ...	75,532	2,24,401						82	751
Pine and other scantlings ...	12,538	14,326			*Lahore Division.*				
Deodar Poles ...	6	9			Logs	417	3,043		
Pine and other poles	20	10						417	3,043
Deodar beams ..	40	435			*Ambala Division.*				
Miscellaneous pieces	125	786							
Tors	40	50							
			1,04,841	5,15,384	Deodar logs ..	9,502	2,51,350		
RECEIVED IN ADVANCE BY CONVERSION OF TREES REMAINING IN HAND AT END OF THE YEAR.					Pine and other logs	458	8,888		
					Box-wood logs ...	24	17		
					B. G. sleepers ...	1,837	6,374		
					N. G. ,, ...	67	89		
					Confiscated B G. sleepers	25	87		
Deodar logs ...	4,128	1,23,364			Confiscated N. G. sleepers	10	13		
Deodar sleepers and scantlings ...	3,000	10,410			Confiscated scantlings	9	13		
Pine and other scantlings ...	384	1,802			Miscellaneous pieces	609	1,801		
			(b) 7,512	1,35,576	Tors and ballas ...	1,405	2,127		
								13,946	2,70,759
TOTAL CROSS RECEIPTS ..	...	...	2,26,080	18,15,217					
					TOTAL BALANCE		...	76,809	16,85,647
TOTAL RECEIPTS		...	2,59,359	38,09,376					
GRAND TOTAL	...	...	3,22,440	48,24,595	GRAND TOTAL	...	...	3,22,440	48,24,595
GRAND TOTAL FOR 1891-92 ...	...	...	3,56,022	32,74,252	GRAND TOTAL 1891-92 ...	...	...	3,56,022	32,74,252

ABSTRACTS.

BALANCE IN HAND AT COMMENCEMENT OF THE YEAR.	...	...	63,081	10,15,219					
TOTAL BALANCE		...	63,081	10,15,219					
RECEIPTS.					DISPOSALS.				
(1.) TRUE RECEIPTS.					(1.) TRUE DISPOSALS.				
Received from forests during the year	...	...	18,929	17,90,273	Removed by purchasers from Depôts	...	...	88,031	5,97,672
Omitted in previous returns	...	...	195	232	Used by Department	...	...	3,421	9,470
Received by confiscation	...	...	9	87	Made over to contractors	...	...	...	3
Carried over ...	...	...	19,133	17,90,592	*Carried over* ...	...	...	91,452	6,07,145

(b.) 1,35,576 cubic feet shown under Cross Receipts were obtained in advance by conversion of trees which are included in the closing balance of 1892-93 and will be shown as disposed of on completion of sawing work.

Form No. 59.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO SALE DEPÔTS, SOLD LOCALLY OR OTHERWISE DISPOSED OF, DURING THE YEAR 1892-93—*continued.*

Particulars.	No. or quantity.	Cubic feet.	Total of each head.		Particulars.	No. or quantity.	Cubic feet.	Total of each head.	
			No. or quantity.	Cubic feet.				No. or quantity.	Cubic feet.
1	2	3	4	5	6	7	8	9	10
Brought forward ...	...	...	19,138	17,90,592	*Brought forward* ...	...	...	91,452	6,07,145
Received by collection of drift and waif	...	...	521	2,566	Lost by wastage ...	...	...	...	5,69,015
Received in forest cases	...	...	53	81	Lost by remeasurement and struck off from other causes	...	...	214	5,062
Gained by remeasurement ...	...	...	...	5,580	Made over to Free-grantees ...	...	...	614	1,535
Drift timber transferred to Government account .	...	...	2,811	19,661	Despatched from forests, but not yet received ...	...	...	28,347	2,69,295
Unmarked timber received during the year ...	...	...	1,517	23,024					
Received from previous launchings	...	...	9,244	1,52,655					
TOTAL TRUE RECEIPTS ...	...	...	33,279	19,94,159	TOTAL TRUE DISPOSALS...	...	...	1,20,627	14,52,052
(2.) CROSS RECEIPTS.					(2.) CROSS DISPOSALS.				
Received by transfer from other classes	...	...	1,13,715	11,63,732					
Received by cancellation of sale ...	...	...	12	525	Transferred to other classes	...	...	20,151	11,70,987
Received by transfer from other depôts	...	...	1,04,841	5,15,384	By cancelling of sale	...	..	12	525
Received in advance by conversion of trees remaining in hand at end of the year ...	...	...	7,512	1,35,576	Transferred to other depôts	...	...	1,04,841	5,15,384
TOTAL CROSS RECEIPTS ...	...	...	2,26,080	18,15,217	TOTAL CROSS DISPOSALS ...	...	..	1,25,004	16,86,896
TOTAL RECEIPTS		...	2,59,359	38,09,376	**TOTAL DISPOSALS**		...	2,45,631	31,38,948
					BALANCE AT CLOSE OF THE YEAR ...	...	...	76,809	16,85,647
GRAND TOTAL	...	...	3,22,440	48,24,595	**GRAND TOTAL**	...	...	3,22,440	48,24,595
GRAND TOTAL FOR 1891-92 ...	...	...	3,56,022	32,74,252	GRAND TOTAL FOR 1891-92 ...	...	...	3,56,022	32,74,252

Form No. 59.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO SALE DEPÔTS, SOLD LOCALLY OR OTHERWISE DISPOSED OF, DURING THE YEAR 1892-93—*continued.*

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No or quantity.	Total of each head. Cubic feet	Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity	Total of each head. Cubic feet.
1	2	3	4	5	6	7	8	9	10
FIREWOOD AND CHARCOAL.									
BALANCE IN HAND AT COMMENCEMENT OF THE YEAR.					**DISPOSALS.**				
Hazara Division.					(1). TRUE DISPOSALS.				
Firewood ...	...	6,397			REMOVED BY PURCHASERS FROM DEPÔTS.				
Charcoal ...	..	37			Firewood ...	...	49,00,385		
Charcoal dust ...	..	174	...	6,608	Charcoal ...	...	10,782		
Chamba Division.					Charcoal dust ...	...	927		
Firewood ...	...	5,004	...	*5,004	Brushwood ...	...	51	..	49,12,145
Jhelum Division.									
Firewood ..	...	3,006	...	3,006	USED BY DEPARTMENT.				
Lahore Division.					Firewood ...	...	1,068		
Firewood ...	...	16,89,311	...	16,89,311	Charcoal ...	...	165	...	1,233
Multan Division.									
Firewood ...	...	74,269	...	74,269	LOST BY RE-MEASUREMENT, DRYAGE, &c.				
Ambala Division.									
Firewood ...	...	2,087	...	2,087	Firewood ...	...	2,70,508		
TOTAL BALANCE		...	...	17,80,285	Charcoal ...	...	5	...	2,70,513
RECEIPTS.									
(1). TRUE RECEIPTS					MADE OVER TO CONTRACTORS.				
RECEIVED FROM FORESTS DURING THE YEAR.					Firewood ...	...	480	...	480
Firewood ...	...	53,75,625							
Brushwood ...	...	51			TOTAL TRUE DISPOSALS ..	...	...	...	51,84,371
Charcoal ...	...	14,259	...	53,89,935					
RECEIVED IN SALE AND OTHER DEPÔTS.					(2). CROSS DISPOSALS.				
Firewood ...	...	44,960	...	44,960	TRANSFERRED TO OTHER DEPÔTS.				
GAINED BY REMEASUREMENT.					Firewood ...	...	18,63,809	(c)	
Firewood ...	...	45,190	...	45,190	Charcoal ...	...	12,492		
RECEIVED BY CONFISCATION.					Brushwood ...	...	35	...	18,76,336
Firewood ...	...	376							
Charcoal ...	...	10	...	386	TRANSFERRED TO OTHER CLASSES.				
RECOVERED IN CASES									
Firewood ...	...	213	...	213	Charcoal dust ...	...	769		
TOTAL TRUE RECEIPTS ...	...	...	...	54,80,684	Firewood ...	...	(b) 50	...	819
(2). CROSS RECEIPTS.					TOTAL CROSS DISPOSALS ...	...	...	...	18,77,155
RECEIVED BY TRANSFER FROM OTHER DEPÔTS.									
Firewood ...	...	18,63,405							
Charcoal ...	...	12,492			**TOTAL DISPOSALS** ..			...	70,61,526
Brushwood ..	...	35	...	18,75,932					
Carried over ...	...	...	...	18,75,932					

* 5,004 cubic feet stacked are equal to 2,502 cubic feet solid, shown in the closing balance at end of the year 1891-92.

(*b*). 50 cubic feet of firewood shown under Cross Disposals were converted into 28 cubic feet of charcoal shown under Cross Receipts.

(*c*). 404 cubic feet of firewood shown under Cross Disposals as transferred to other depôts are in transit.

Form No. 59.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO SALE DEPÔTS, SOLD LOCALLY OR OTHERWISE DISPOSED OF, DURING THE YEAR 1892-93—*continued.*

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.	Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
1	2	3	4	5	6	7	8	9	10
Brought forward ...	...	...	...	18,75,932	**BALANCE AT CLOSE OF THE YEAR**				
Received by conversion of trees.					*Hazdra Division.*				
					Firewood	...	1,143		
Charcoal ...	..	6,064 (a)			Charcoal ..	.	119		
			...	6,064	Charcoal dust ...	...	16	...	1,278
					Chamba Division.				
Received by transfer from other classes.					Firewood ...	...	200	...	200
					Jhelum Division.				
					Firewood ...	...	4,439	...	4,439
Charcoal ...	...	797	...	797	*Lahore Division.*				
					Firewood ...	...	18,75,149	...	18,75,149
TOTAL CROSS RECEIPTS	...	...	...	18,82,793	*Multan Division.*				
					Firewood ...	...	50,871	...	50,871
TOTAL RECEIPTS		...	...	73,03,477	*Ambala Division.*				
					Firewood ...	...	141		
					Ditto ...	...	1,41,600		
					Charcoal ...	...	8,558	...	1,50,299
GRAND TOTAL		...	...	91,43,762	**TOTAL BALANCE.**		...	...	20,82,236
					GRAND TOTAL	...	...	...	91,43,762
GRAND TOTAL FOR 1891-92 .	..	...	...	73,20,402	GRAND TOTAL FOR 1891-92 .	...	...	..	73,20,402

BAMBOOS

BALANCE IN HAND AT COMMENCEMENT OF THE YEAR.					**DISPOSALS.**				
					TRUE DISPOSALS.				
RECEIPTS.					Removed by Purchasers.				
TRUE RECEIPTS.					Bamboos .. .	6,29,591	...		
								6,29,591	...
Received from Forests during the year					Used by Department.				
Bamboos	6,29,791	...			Bamboos	200	...		
			6,29,791	...				200	...
TOTAL TRUE RECEIPTS...			6,29,791	...	**TOTAL TRUE DISPOSALS**			6,29,791	...
GRAND TOTAL	...	...	6,29,791	...	**GRAND TOTAL**	...	...	6,29,791	...
GRAND TOTAL FOR 1891-92 .	...	...	6,74,499	...	GRAND TOTAL FOR 1891-92 ...	...	..	6,74,499	...

(a). 6,064 cubic feet of charcoal shown under Cross Receipts were received by transfer from timber (vide Form No 59 for timber).

Form No. 59.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO SALE DEPÔTS, SOLD LOCALLY OR OTHERWISE DISPOSED OF, DURING THE YEAR 1892-93—*concluded.*

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
1	2	3	4	5
MISCELLANEOUS PRODUCE.				
BALANCE IN HAND AT COMMENCEMENT OF THE YEAR.				
Hazára Division.				
Shingles	14,190	93		
Podophyllum emodi roots (maunds) ..	7	...		
			14,197	93
Simla Hill Tracts.				
Grass (maunds) ...	230	...		
			230	..
TOTAL BALANCE ...			14,427	93
RECEIPTS.				
(1) TRUE RECEIPTS.				
Received from Forests during the year.				
Bhan leaves (mds.)	10	...		
Turpentine („)	2	...		
Podophyllum emodi („)	5	...		
Grass („)	2,898	...		
			2,915	...
Received in Forest Cases.				
Grass (maunds) ...	10	...		
			10	...
TOTAL TRUE RECEIPTS			2,925	...
(2) CROSS RECEIPTS.				
Received by conversion of trees.				
Shingles	1,82,965	1,191	1,82,965	(a) 1,191
Received by transfer from other Depôts.				
Shingles ...	1,82,965	1,191		
Bhan leaves (mds.)	10	...		
			1,82,975	1,191
TOTAL CROSS RECEIPTS			2,65,940	2,382
TOTAL RECEIPTS ...			2,68,865	2,382
GRAND TOTAL	...	...	3,83,292	2,475
GRAND TOTAL FOR 1891-92 ...	...	...	2,12,072	1,381

Particulars.	No. or quantity.	Cubic feet	Total of each head. No or quantity.	Total of each head. Cubic feet.
6	7	8	9	10
DISPOSALS.				
(1) TRUE DISPOSALS.				
Removed by Purchasers.				
Shingles ...	1,44,530	939		
Bhan leaves (mds.)	10	...		
Turpentine („)	2	...		
Podophyllum emodi („)	11	...		
Grass (mds.) ...	1,677	...		
			1,46,230	939
Used by Department.				
Shingles ...	25,300	165		
			25,300	165
Lost by dryage, &c.				
Shingles ...	465	3		
Podophyllum emodi (mds.) ...	1	...		
Grass (mds.) ...	802	...		
			1,268	3
TOTAL TRUE DISPOSALS			1,72,798	1,107
(2). CROSS DISPOSALS.				
Transferred to other Depôts.				
Shingles ...	1,82,965	1,191		
Bhan leaves (mds.)	10	...		
			1,82,975	1,191
TOTAL CROSS DISPOSALS			1,82,975	1,191
TOTAL DISPOSALS ...			3,55,773	2,298
BALANCE AT CLOSE OF THE YEAR.				
Hazára Division.				
Shingles	26,860	177		
			26,860	177
Multan Division.				
Grass (maunds) ...	227	...		
			227	..
Simla Hill Tracts.				
Grass (maunds) ..	432	...		
			432	...
TOTAL BALANCE ...			27,519	177
GRAND TOTAL	...	...	3,83,292	2,475
GRAND TOTAL FOR 1891-92 ...	...	...	2,12,072	1,381

(a). 1,191 cubic feet of shingles received by conversion of trees (*vide* Form No. 59 for timber).

Form No. 60 A.

ABSTRACT SHOWING THE VALUE OF TIMBER AND OTHER PRODUCE AT SALE DEPÔTS FOR THE YEAR 1892-93.

Description of Timber and other Produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.		Remarks.
	No.	Cubic feet.	Value.	No.	Cubic feet.	Value.	In favor of the year.	Against the year.	
1	2	3	4	5	6	7	8	9	10
			Rs.			Rs.	Rs.	Rs.	
Timber.									
Sale Depôts.									
Deodar (Logs) ...	11,816	3,79,794	1,98,412	13,449	3,84,435	2,08,352	9,940	...	
Pine („)	1,754	29,638	5,580	1,695	34,122	7,668	2,082	...	
Box-wood(„)	8,539	5,375	12,784	8,516	5,355	11,709	..	1 075	
Deodar scantlings ...	2,787	6,635	4,153	4,571	8,808	5,490	1,337	...	
Pine scantlings and others	3,050	4,625	3,092	3,067	4 209	2,747	...	345	
Miscellaneous scantlings	16	24	4	467	849	525	521	...	
Deodar B. G. Sleepers ...	19,815	68,722	43,933	18,252	45,389	13,238	...	30,695	
„ N. G. „ ...	230	402	230	113	153	118	...	112	
Deodar beams	5	34	17	...	...	..	...	17	
Pine „	3	14	3	...	...	...	...	3	
Scraps and pieces ...	2,588	6,019	1,795	659	1,981	489	...	1,306	
Total ...	50,603	5,01,282	2,70,009	45,789	4,85,301	2,50,336	...	19,673	
Forest Depôts.									
Deodar trees	1,104	3,51,945	32,820	1,451	6,60,532	52,846	19,666	...	
Pine and other trees ...	4	863	24	44	12,914	3,671	3,647	...	
Deodar (logs)	3,002	1,22,873	52,707	10,625	4,25,104	1,17,326	64,619	...	
Pine and other logs ...	801	19,391	3,968	1,780	53,380	11,389	7,421	...	
Deodar scantlings ..	291	259	263	100	141	41	...	222	
Miscellaneous scantlings	1,762	2,336	942	6,035	13,372	2,324	1,382	...	
B. G. sleepers	4,220	14,643	6,375	3,373	11,702	7,339	964	...	
N. G. „	...	...	...	284	532	426	426	...	
Deodar sleepers and scantlings	...	...	...	5,868	20.398	13,203	13,203	...	
Deodar beams	...	...	...	2	13	10	10	...	
Miscellaneous pieces ...	1,291	1,627	...	53	131	31	31	...	
Tors and ballas	...	...	..	1,405	2,127	254	254	...	
Shingles	14,190	93	53	26,860	177	22	...	31	
Total ...	26,668	5,14,030	97,152	57,880	12,00,523	2,08,522	1,11,370	..	
Total Timber ...	77,271	10,15,312	3,67,161	1,03,669	16,85,824	4,58,858	91,697	...	
Firewood, charcoal, bamboos, &c.									
Sale Depôts.									
Podophyllum emodi roots (maunds.)	7	...	28	...	...	...	...	28	
Firewood (cubic feet) ...	...	2,19,530	12,390	...	6,03,418	35,962	23,572	...	
Charcoal („) ...	...	37	5	...	114	10	5	...	
Charcoal dust (cubic feet)	...	174	3	..	16	...	...	3	
Total ..	7	2,19,741	12,426	...	6,03,548	35,972	23,546	...	
Forest Depôts.									
Firewood (cubic feet) ...	..	15,58,042	90,538	...	14,70,125	70,718	...	19,820	
Charcoal („) ...	...	...	...	...	8,563	1,283	1,283	...	
Grass (maunds) ...	230	...	172	659	...	347	175	...	
Total ..	230	15,58,042	90,710	659	14,78,688	72,348	...	18,362	
Total Firewood ...	237	17,77,783	1,03,136	659	20,82,236	1,08,320	5,184	...	
GRAND TOTAL ...	...	...	4,70,297	...	...	5,67,178	96,881	...	
GRAND TOTAL FOR 1891-92 ...	...	...	4,67,927	...	...	4,70,297	2,370	...	

Form No. 60 B.

ABSTRACT SHOWING THE VALUE OF LIVE AND DEAD STOCK FOR THE YEAR 1892-93.

	On hand at commencement of the year			On hand at close of the year.			Difference in value.		Remarks.
	No	Cubic feet.	Value.	No.	Cubic feet.	Value.	In favor of the year.	Against the year.	
1	2	3	4	5	6	7	8	9	10
			Dead Stock. Rs.			Rs.	Rs.	Rs.	
Hazára Division ...	1,111	...	8,976	1,114	...	8,826	...	150	
Ráwalpindi „	816	...	1,243	795	...	1,637	394	...	
Chamba „	4,847	...	3,081	2,931	...	3,453	372	..	
Kángra „	1,129	...	6,674	1,209	...	6,996	322	...	
Kulu „	1,720	...	3,347	1,758	...	3,446	99	...	
Bashahr „	1,136	...	4,822	1,453	...	*15,805	10,983	..	* Rs. 10,930 value of buildings omitted in previous returns.
Jhelum „	550	...	6,394	806	...	6,474	80	...	
Chenáb „	...	...	7,364	...	...	7,157	...	207	
Lahore „	3,668	...	19,533	3,700	...	18,493	...	1,040	
Multan „	548	...	1,563	632	...	1,590	27	...	
Montgomery „	295	...	1,371	296	...	1,351	...	20	
Ambala „	4,009	...	1,225	2,429	...	1,239	14	...	
Simla Hill Tracts Division	...	...	...	76	...	195	195	...	
Direction Division ...	311	...	3,300	450	...	4,568	541	...	
Working Plans Division...	199	...	727						
Total ...	...	...	69,620	...	...	81,224	11,604	...	
			Live Stock.						
Bashahr Division... ...	4	...	580	5	...	652	72	...	
Chenáb „	2	...	68	2	..	41	...	27	
Lahore „	5	...	15	5	...	55	40	...	
Total ...	...	...	663	...		748	85	..	
GRAND TOTAL ...	...	...	70,283	..	...	81,972	11,689	...	
GRAND TOTAL FOR 1891-92 ...	...	...	70,445	...	..	70,283	...	162	

Form No. 61. SUMMARY OF REVENUE OF THE DIFFERENT DIVISIONS FROM APRIL 1892 TO JUNE 1893.

Budget Heads.	Direction.	Bashahr Division.	Ambala Division.	Kulu Division.	Kángra Division.	Chamba Division.	Lahore Division.	Montgomery Division.	Multan Division.	Chenáb Division.	Jhelum Division.	Ráwalpindi Division.	Hazára Division.	Simla Division.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
RECEIPTS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I.—Timber and other produce removed from the Forests by Government Agency—															
a. Timber	...	1,425	82,713	3	18,806	1,47.862	1,285	...	32	744	45.966	...	1,705	...	3,00,541
b. Firewood and charcoal ...	...	...	891	...	90	940	69,492	1.27,544	55,229	345	12	3,510	2,940	...	2,60.993
c. Bamboos	...	...	...	...	12,195	...	...	...	...	...	...	...	...	...	12,195
d. Sandal-wood	...	...	...	...		...	...	...	...	...	...	...	...	...	...
e. Grass and other minor produce	...	...	392	53	...	...	...	...	297	...	...	...	118	...	860
Total I	...	1,425	83,996	56	31,091	1,48,802	70,777	1,27,544	55,558	1,089	45,978	3,510	4,763	...	5,74,589
II.—Timber and other produce removed from the Forests by consumers or purchasers—															
a. Timber	...	...	124	702	12,924	568	899	514	410	...	...	16,803	3,014	...	35,958
b. Firewood and charcoal ...	...	...	254	70	934	1,070	1,114	1.991	3,740	3,465	946	17,216	1,537	2	32,339
c. Bamboos	...	..	15	...	67	...	...	...	...	...	...	...	...	...	82
d. Grazing and fodder grass	...	...	3,137	3,357	5,545	1,136	58,911	33,241	13,583	54,448	17,879	14,074	10,809	51	2,16,171
e. Other minor produce ...	...	...	186	10	24	...	3,651	3,762	622	146	1,458	573	45	...	10,477
Total II	..	...	3,716	4,139	19,494	2,774	64,575	39,508	18,355	58,059	20,283	48,666	15,405	53	2,95,027

III.—Drift and waif wood and confiscated forest produce	...	...	144	276	957	233	...	2	213	6,231	12,275	1,476	...	...	21,807
Total III	...	...	144	276	957	233	...	2	213	6,231	12,275	1,476	...	...	21,807
IV.—Revenue from Forests not managed by Government.															
a. Duty on foreign timber and other forest produce	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
b. Revenue from shared and private forests... ...	...	...	...	...	2,888	...	...	...	...	...	...	...	632	...	3,520
Total IV	...	...	...	...	2,888	...	...	...	...	...	...	...	632	...	3,520
V.—Miscellaneous—															
a. Fines and forfeitures ...	...	5	10	...	270	...	242	...	...	191	...	5	278	...	1,001
b. Refunds	195	97	32	9	10	6	135	2	...	...	1	...	27	1	515
c. Other sources	45	267	4,092	1,381	2,503	1,056	417	1,173	479	3,755	5,441	3,371	77	54	24,111
Total V	240	369	4,134	1,390	2,783	1,062	794	1,175	479	3,946	5,442	3,376	382	55	25,627
Total Receipts	240	1,794	91,990	5,861	57,213	1,52,871	1,36,146	1,68,229	74,605	69,325	83,978	57,028	21,182	108	9,20,570

Calcutta :
The 15th September 1893.

J. C. BOSE,
Assistant Comptroller-General (Forests.)

Form No. 61.

SUMMARY OF EXPENDITURE OF THE DIFFERENT DIVISIONS FROM APRIL 1892 TO JUNE 1893.

Budget Heads.	Direction.	Bashahr Division.	Ambala Division.	Kulu Division.	Kángra Division.	Chamba Division.	Lahore Division.	Montgomery Division.	Multan Division.	Chenáb Division.	Jhelum Division.	Ráwalpindi Division.	Hazára Division.	Simla Division.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A.—CONSERVANCY AND WORKS	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs	Rs.	Rs.	Rs.	Rs.
I.—Timber and other produce removed from the Forests by Government Agency.															
a. Timber	4,613	31,438	12,983	770	2,459	71,562	470	...	...	391	4,343	64	8,029	82	1,37,204
b. Firewood and charcoal...	...	...	2,880	...	5	380	16,979	63,417	21,735	116	6	1,227	1,893	..	1,08,638
c. Bamboos	...	...	...	...	2,948	...	...	...	...	...	...	...	...	..	2,948
d. Sandal-wood	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...
e. Grass and other minor produce	...	...	167	...	...	...	280	...	384	...	...	...	1	...	832
Total AI	4,613	31,438	16,030	770	5,412	71,942	17,729	63,417	22,119	507	4,349	1,291	9,923	82	2,49,622
II.—Timber and other produce removed from the Forests by Consumers or Purchasers ..	...	...	...	..	9	180	2	814	31	343	...	663	6	...	2,048
Total AII	...	...	...	...	9	180	2	814	31	343	...	663	6	...	2,048
III.—Drift and waif wood and confiscated Forest Produce.	...	12	465	500	357	190	...	...	190	2,188	2,685	541	...	...	7,128
Total AIII	.	12	465	500	357	190	...	.	190	2.188	2,685	541	...	...	7,128
IV.—Revenue from Forests not managed by Government—															
a. Duty on foreign timber and other forest produce	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
b. Revenue from shared and private forests... ...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...
Total AIV	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

V.—Rent of leased Forests and payments to Shareholders in Forests managed by Government	...	10,150	910	4	2,316	53,100	...	...	...	...	...	...	2,074	...	68,554
Total AV	...	10.150	910	4	2,316	53,100	...	...	...	...	..	...	2,074	...	68,554
VI.—Live Stock, Stores, Tools and Plant—															
a. Purchase of cattle ...	...	132	...	...	...	...	52	...	...	...	...	...	...	...	184
b. Feed and keep of cattle...	...	527	358	...	...	...	6	...	...	184	...	...	...	...	1,075
c. Purchase of stores, tools and plant	1,245	211	185	86	66	509	38	...	23	73	57	541	59	25	3,118
Total AVI	1,245	870	543	86	66	509	96	...	28	257	57	541	59	25	4,377
VII—Communications and Buildings—															
a. Roads and bridges ...	...	1,801	223	...	134	3,723	508	...	12	6	1	325	95	...	6,828
b. Buildings	...	742	1,101	384	487	2,794	197	20	653	97	660	1,339	908	...	9.382
c. Other works	...	11	11	3	12	21	...	...	...	...	...	59	70	...	187
Total AVII ...	...	2,554	1,335	387	633	6,538	705	20	665	103	661	1,723	1,073	...	16,397
VIII.—Organization, Improvement and Extension of Forests—															
a. Demarcation	...	102	109	54	790	203	68	2	359	11	28	1,497	137	2	3,362
b. Compensation for land and rights	...	..	...	32	...	...	...	...	...	...	...	...	...	..	32
c. Surveys	1,478	11,061	1	...	189	406	...	...	9	262	...	78	150	...	13,634
d. Working plans ...	1,105	...	...	...	133	414	...	...	...	...	...	...	40	...	1,692
e. Sowing and planting	4	1,603	1,674	235	1,240	1.864	34,006	8	48	562	167	150	491	396	42,448
f. Protection from fire...	...	138	506	219	488	362	...	90	425	34	...	...	230	43	2.535
g Other Works ...	...	298	181	67	83	854	...	...	188	5	6	231	10	...	1,923
Total AVIII ...	2,587	13,202	2,471	607	2,923	4,103	34,074	100	1,029	874	201	1,956	1,058	441	65,626
IX.—Miscellaneous—															
a. Refunds	885	...	283	2	90	...	40	3	...	31	...	10	50	...	1,394
b. Law charges	2	...	5	...	2	2	1	54	...	7	...	...	5	...	78
c. Other charges ...	209	405	143	14	2	35	1	...	39	8	...	13	65	4	938
Total AIX ...	1,096	405	431	16	94	37	42	57	39	46	...	23	120	4	2,410
Total A—Conservancy and Works	9,541	58,631	22,185	2,370	11,810	1,36,599	52,648	64,408	24,096	4,318	7,953	6,738	14,313	552	4,16,162

Form No. 61.

SUMMARY OF EXPENDITURE OF THE DIFFERENT DIVISIONS FROM APRIL 1892 TO JUNE 1893—*concluded.*

Budget Heads	Direction.	Bashahr Division.	Ambala Division.	Kulu Division.	Kángra Division.	Chamba Division.	Lahore Division.	Montgomery Division.	Multan Division.	Chenáb Division.	Jhelum Division.	Ráwalpindi Division.	Hazára Division.	Simla Division.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
B.—ESTABLISHMENTS.															
I.—Salaries—															
a. Conservators	22,424	...	...	...	...	...	...	...	...	...	...	..	...	...	22,424
b. Superior officers	19,596	13,534	10,405	8,894	12,750	13,572	3,750	5,500	8,405	5,079	6,765	13,204	9,344	1,650	1,32,448
c. Subordinate forest and depôt establishments ...	40	4,163	5,700	5,461	9,154	13,850	9,577	3,081	7,989	11,438	11,600	9,499	9,905	219	1,01,676
d. Office establishments ...	10,225	1,896	2,079	1,130	1,980	2,766	2,213	838	2,211	2,082	1,427	1,678	1,630	120	32,275
e. Deputation and special allowances	1,595	2,974	...	219	...	...	279	824	..	100	543	...	...	...	6,534
Total BI ...	53,880	22,567	18,184	15,704	23,884	30,188	15,819	10,243	18,605	18,699	20,335	24,381	20,879	1,989	2,95,357
II.—Travelling Allowances—															
a. Conservators	2,885	...	...	...	...	...	...	...	..	...	...	...	...	...	2,885
b. Superior officers	2,457	2,175	4,063	1,517	2,204	2,857	995	938	1,618	1,126	775	785	1,001	636	23,237
c. Subordinate forest and depôt establishments ...	...	892	1,321	837	875	1,531	1,289	455	1,117	1,906	1,120	895	1,120	89	13,447
d. Office establishments ...	746	595	882	240	616	310	228	146	263	511	291	172	225	105	5,330
Total BII ...	6,088	3,662	6,266	2,594	3,785	4,698	2,512	1,539	2,998	3,543	2,186	1,852	2,346	830	44,899
III.—Contingencies—															
a. Stationery	141	37	108	81	166	180	50	22	66	234	107	139	70	10	1,411
b. Carriage of tents and records	968	537	411	408	1,092	530	12	100	234	133	215	206	417	130	5,393
c. Rents, rates and taxes ...	1,432	111	270	86	525	320	600	450	450	526	292	744	624	...	6,430
d Pay of police guards ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
e. Official postage	1,381	174	459	199	485	410	159	149	266	452	297	503	272	46	5,252
f. Sundries	2,292	1,503	510	423	337	207	228	289	229	717	236	239	486	22	7,718
Total BIII ...	6,214	2,362	1,758	1,197	2,605	1,647	1,049	1,010	1,245	2,062	1,147	1,831	1,869	208	26,204
Total B—Establishments ...	66,182	28,591	26,208	19,495	30,274	36,533	19,380	12,792	22,848	24,304	23,668	28,064	25,094	3,027	3,66,460
Grand Total of Expenditure ...	75,723	87,222	48,393	21,865	42,084	1,73,132	72,028	77,200	46,914	28,622	31,621	34,802	39,407	3,579	7,82,622

Calcutta:

The 15th September 1893.

J. C. BOSE,

Assistant Comptroller-General (Forests).

Form No. 62.

Dr. ACCOUNT CURRENT FROM APRIL 1892 TO JUNE 1893. Cr.

		Rs.	A.	P.	Rs.	A.	P.
To Cash Balance		...	...	...	327	4	10
„ *VIII.—Assessed Taxes—*							
Income Tax—Deductions from salaries		...	...	...	4,952	8	9
„ *Revenue as per Annual Summary, Form No.* 61		...	...	.	9,20,569	14	9
„ *Service Funds—*							
Civil Fund—Ordinary, Bengal		...	...	...			
„ „ Additional, Bengal		...	..	...			
Military Fund—Bengal		...	...	...			
„ „ Madras		...	...	...			
„ Orphan Fund—Bengal		...	...	...			
Uncovenanted Service Family Pension Fund—Bengal		1,526	9	2			
General Family Pension Fund		...	...	...			
Hindu Family Annuity Fund		...	..	...			
					1,526	9	2
„ *Deposits*		...	...	...	861	0	8
„ *Forest Cash Remittances—Local—*							
Forest cheques drawn		7,53,012	5	7			
Inter-Divisional Transfers		26,259	4	7			
					7,79,271	10	2
„ *Advances recoverable*		..	..	...	4,80,584	9	0
„ *Suspense*		...	.	...	44	10	3
„ *Account Current (other Governments)—*							
Remittances from Government of India		26,626	10	5			
Ditto ditto Bengal		31	3	2			
Ditto ditto N.-W. P. & Oudh		22,496	9	6			
Ditto ditto Madras		300	0	0			
„ *Inter-Departmental Transfers—*	Rs. A. P.				49,454	7	1
Public Works Dept. Ordinary Branches	30,624 7 0	...	...	...			
Military Department		...	..	...			
„ Civil Department—							
Jail	214 7 3	...	...	...			
Mathematical Instrument Department	204 6 0	...	...	...			
Miscellaneous	569 11 6	...	...	...	31,612	15	9
Total		...	...	...	22,69,205	10	5

	Rs.	A.	P.	R. s	A.	P.
By Expenditure as per Annual Summary, Form No. 61 ...	...	...	.	7,82,621	14	1
„ *Deposits*	...	...	...	570	3	8
„ *Forest Cash Remittances—Local—*						
Remittances to Treasuries	6,36,346	15	5			
Inter-Divisional Transfers	25,294	8	0	6,61,641	7	5
„ *Advances recoverable*	...	...	...	5,02,027	7	11
„ *Suspense*	...	...	...	0	1	0
„ *Account Current (other Governments)—*						
Remittances to the Government of India	5,049	2	9			
Ditto ditto N.-W. P. & Oudh	151	2	8			
Ditto ditto Bombay	19	2	6			
Ditto ditto Assam ...	560	2	8			
„ *Inter-Departmental Transfers—*				5,779	10	7
Public Works Department State Rys., N.-W. Ry...	2,77,273	11	9			
Ditto ditto Ordinary Branches ...	17,103	3	9			
Military Department, Bengal	10,146	0	7			
Civil Department—						
Jail ... ... Rs. 1,237 A. 8 P. 0						
Survey 9,838 0 0						
Miscellaneous 896 0 2						
Telegraph Department ... 60 0 0	12,031	8	2	3,16,554	8	3
Cash Balance	...	...	...	10	5	6
Total ...	..		...	22,69,205	10	5

CALCUTTA:

The 15th September 189

J. C. BOSE,

Assistant Comptroller-General (Forests.)

Form No. 63.

REVENUE RECEIVED AND OUTSTANDINGS ON ACCOUNT OF REVENUE DURING 1892-93.

Division.	Particulars	Outstandings at commencement of year.			Value of sales and other revenue during year			Total.			Amount realized during year.			Balance due to the Department at end of year.		
1	2	3			4			5			6			7		
		Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Direction	...	...	..	...	239	12	2	239	12	2	239	12	2	...	..	...
Hazára	..	107	12	2	21,269	0	9	21,376	12	11	21,182	6	5	194	6	6
Ráwalpindi	...	...	..	.	61,433	5	6	61,433	5	6	57,027	12	8	4,405	8	10
Chamba	...	...	...	.	1,53,524	6	6	1,53,524	6	6	1,52,871	2	6	653	4	0
Kángra	..	2,869	15	0	54,342	8	0	57,212	7	0	57,212	7	0	...	...	...
Kulu	.	...	...	...	5,860	10	3	5,860	10	3	5,860	10	3	...	...	...
Bashahr	...	...	...	...	1,794	0	11	1,794	0	11	1,794	0	11	...	...	...
Jhelum	..	...	..	...	89,893	15	3	89,893	15	3	83,977	10	3	5,916	5	0
Chenáb	...	4,548	11	0	93,113	13	6	97,662	8	6	(a) 72,165	11	9	25,496	12	9
Lahore	...	400	0	6	1,51,868	1	11	1,52,268	2	5	1,36,146	5	11	16,121	12	6
Multan	...	9	8	0	75,437	14	2	75,447	6	2	(b) 74,614	14	2	832	8	0
Montgomery	..	18,424	4	6	1,70,421	2	4	1,88,845	6	10	(c) 1,68,237	1	8	20,608	5	2
Ambala	...	...	...	.	91,990	0	5	91,990	0	5	91,990	0	5	...	...	...
Simla Hill Tracts	.	...	..		107	12	8	107	12	8	107	12	8	...	...	...
Total ...	..	26,360	3	2	9,71,206	8	4	9,97,656	11	6	(d) 9,23,427	12	9	74,228	14	9
Total for 1891-92 ...	...	27,179	1	7	10,19,566	15	6	10,46,737	1	1	10,20,376	13	11	26,360	3	2

	Rs.	A.	P.
(a).—(1) Written off (*vide* Commissioner and Superintendent, Ráwalpindi's No. 2019, dated 14th July 1892, to Deputy Commissioner, Shahpur)	2,747	0	0
(2) Struck off on account of cancelled sale	93	12	0
(b).— Struck off (*vide* Commissioner and Superintendent, Deraját Division's No. 781, dated 7th June 1892, to Conservator of Forests)	9	8	0
(c).— Written off (*vide* Commissioner and Superintendent, Lahore Division's No. 185, dated 10th July 1893, to Deputy Commissibner, Montgomery)	7	10	0
Total ...	2,857	14	0
Revenue as per Form No. 61	9,20,569	14	9
Amount struck off under sanction	2,857	14	0
(d). Total ...	9,23,427	12	9

Form No. 64.

OUTSTANDINGS AND LIABILITIES ON ACCOUNT OF CONTRACTORS AND DISBURSERS FROM APRIL 1892 TO JUNE 1893.

Division.	Department Debtor.									Department Creditor.									Balance Due.					
	At commencement of year.			Recoveries in cash and value of supplies and work done during the year.			At close of year.			At commencement of year.			Payments made during year.			At close of year.			To Department (Outstandings).			By Department (Liabilities).		
1	2			3			4			5			6			7			8			9		
	Rs.	A.	P.	Rs	A.	P.	Rs.	A.	P.	Rs.	A.	P	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs	A.	P.
Direction ...	...	...	..	11,601	8	5	11,601	8	5	1,192	10	8	11,496	12	6	12,689	7	2	1,087	14	9	...	...	...
Bashahr ...	1	9	3	70,403	13	3	70,405	6	6	3,583	15	1	83,955	2	7	87,539	1	8	17,135	1	2	1	6	0
Ambala ...	...	..	..	69,630	12	2	69,630	12	2	1,325	2	4	70,018	3	3	71,343	5	7	1,712	9	5	...	...	...
Kulu ...	...	...	...	11,985	11	3	11,985	11	3	78	4	0	12,690	2	8	12,768	6	8	782	11	5	..	.	...
Káugra ...	...	...	.	36,442	2	0	36,442	2	0	685	11	2	36,396	5	11	37,082	1	1	639	15	1	..	...	...
Chamba ...	...	...	.	99,720	7	0	99,720	7	0	158	15	10	1,02,893	7	3	1,03,052	7	1	3,332	0	1	..	...	...
Lahore ...	...	...	..	36,347	6	0	36,347	6	0	115	14	8	36,553	3	7	36,669	2	3	321	12	3	.	...	...
Montgomery...	...	..	.	30,783	5	7	30,783	5	7	179	6	7	33,711	1	6	33,890	8	1	3,107	2	6	..	...	...
Multan ...	...	...	...	18,474	8	2	18,474	8	2	906	1	1	17,711	3	9	18,617	4	10	142	12	8	..	...	...
Chenáb ...	...	..	..	22,281	2	7	22,281	2	7	185	13	7	22,704	9	1	22,890	6	8	609	4	1	..	...	...
Jhelum ...	...	...	..	23,297	13	8	23,297	13	8	118	14	2	23,505	11	4	23,624	9	6	326	11	10	...	...	...
Ráwalpindi ...	...	...	...	17,596	15	5	17,596	15	5	34	14	2	17,716	9	11	17,751	8	1	154	8	8	..	..	..
Hazára ...	...	...	...	29,778	9	11	29,778	9	11	79	7	5	30,313	13	11	30,393	5	4	614	11	5	..	...	...
Simla ...	...	...	..	2,240	5	7	2,240	5	7	...	..	..	2,361	0	8	2,361	0	8	(a)120	11	1	..	...	..
Total ...	1	9	3	4,80,584	9	0	4,80,586	2	3	8,645	2	9	5,02,027	7	11	5,10,672	10	8	30,087	14	5	1	6	0

(a) Difference Rs. 395-7-10 with the balance as shown in Form No. 29 for June 1893 is under reference and will shortly be adjusted.

Calcutta :
The 15th September 1893.

J. C. BOSE,
Assistant Comptroller-General (Forests).

Form No. 65.

FINANCIAL RESULTS OF THE YEAR 1892-93.

Division.	Timber and other produce removed from the Forests by Government Agency.		Other Revenue.		Formation, Protection and Improvement of Forests.	Total.		Remarks.
	Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.	
1	2	3	4	5	6	7	8	9
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Hazára	4,763	20,391	16,419	8,506	10,510	21,182	39,407	
Ráwalpindi	4,986	11,457	52,042	10,176	13,169	57,028	34,802	
Chamba	1,49,035	1,37,664	3,836	12,522	22,946	1,52,871	1,73,132	
Káugra	32,048	18,209	25,165	10,212	13,663	57,213	42,084	
Kulu	332	7,816	5,529	6,535	7,514	5,861	21,865	
Bashahr	1,425	51,566	369	10,152	25,504	1,794	87,222	
Jhelum	58,253	14,952	25,725	7,903	8,766	83,978	31,621	
Chenáb	7,320	10,925	62,005	8,554	9,143	69,325	28,622	
Lahore	70,777	24,237	65,369	6,528	41,263	1,36,146	72,028	
Multan	55,771	29,936	18,834	7,692	9,316	74,605	46,944	
Montgomery	1,27,546	67,681	40,683	5,135	4,384	1,68,229	77,200	
Ambala	84,140	26,413	7,850	9,303	12,677	91,990	48,393	
Simla Hill Tracts ...	...	1,104	108	1,019	1,456	108	3,579	
Direction	...	27,296	240	23,468	24,959	240	75,723	
Total ...	5,96,396	4,49,647	3,24,174	1,27,705	2,05,270	9,20,570	7,82,622	
Total for 1891-92 ...	6,92,067	3,60,194	3,28,007	97,679	1,82,401	10,20,074	6,40,274	

APPENDIX I.

GRAZING.

Division.	I			II			III			IV			V			VI			VII			VIII			IX			X			XI		
	Total area of the Division.			AREAS CLOSED OR PARTIALLY																								Total area affected.			Area open to grazing without restriction.		
				Closed to all animals throughout the year.			Closed to all animals for a part of the year, but open to all animals for the remainder of the year.			Closed to browsers (only) throughout the year.						Closed to Camels (only) throughout the year.						Closed to browsers (only) for a part of the year.											
										Closed to all other animals for a part of the year only.			Open to all other animals throughout the year.			Closed to all other animals for a part of the year only.			Open to all other animals throughout the year.			Closed to all other animals throughout the year.			Open to all other animals throughout the year.								
	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed.
Hazára	236	..	...	142	...	...	...	...	...	23	...	...	...	..	..	..	...	...	...	...	..	...	...	...	...	...	..	165	...	...	71	...	...
Ráwalpindi	45	68	358	216	...	...	...	...	...	18	...	...	29	67	...	...	...	...	62	...	...	...	...	...	...	1	...	325	68	...	20	...	358
Jhelum	302	...	259	172	...	...	...	...	...	..	...	...	9	...	28	...	...	...	...	...	...	...	...	...	...	...	...	181	...	28	121	...	231
Chenáb	74	...	307	16	...	5	...	...	10	14	...	21	44	...	19	...	...	...	...	...	...	...	...	...	...	...	...	74	...	61	...	...	244
Chamba	159	...	14	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12	...	..	147	...	14
Kángra	55	...	591	48	...	1	5	...	2	...	...	...	...	...	...	2	...	5	...	...	...	...	...	...	...	...	...	55	...	8	...	...	583
Kulu	...	...	1,157	...	...	33	...	...	1	...	...	2	...	...	3	...	...	...	...	...	...	...	...	14	...	...	8	...	...	61	...	...	1,096
Bashahr	183	...	216	59	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	59	...	...	124	...	210
Simla Hill Tracts	13	...	2	2	...	2	...	..	...	...	...	...	11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13	...	2	...	...	...
Ambala	19	...	...	14	...	..	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	19	...	...	...	...	...
Lahore	44	...	295	17	...	2	...	...	...	11	...	12	15	...	89	...	...	...	...	...	...	...	...	...	...	...	...	43	...	123	1	...	172
Montgomery	100	...	758	57	...	..	...	...	...	43	...	...	..	...	12	...	..	...	...	...	...	...	...	...	...	...	...	100	...	12	...	...	746
Multan	124	...	159	48	..	10	...	...	...	38	...	3	38	...	84	...	..	...	..	...	...	...	...	..	...	...	1	124	..	98	...	...	61
Total	1,654	68	4,108	803	...	53	5	...	19	152	...	58	146	67	235	2	...	5	62	...	...	...	...	14	...	1	9	1,170	68	393	484	...	3,715
Khwarra and Zíra Forests	...	131	...	...	...	...	...	...	...	...	...	...	...	48	...	...	...	...	...	...	...	...	...	...	...	...	...	...	48	...	...	83	...
Sarangwal Birs	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	1	...	...
Hissár Birs	64	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	64	...	...
Lahore Military Reserves	21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	21	...	...
Rakh Bandan	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	6	...	...
Total square miles	1,746	199	4,108 (a)	803	...	53	5	...	19	152	...	58	146	115	235	2	...	5	62	...	...	...	...	14	...	1	9	1,170	116	393	576	83	3,715
	6,053			856			24			210			496			7			62			14			10			1,679			4,374		
Total for 1891-92	1,715	481	3,874	800	...	48	7	...	23	176	...	103	172	67	259	2	...	...	62	...	...	...	...	14	...	1	8	1,219	68	455	496	413	3,419
	6,076			848			30			279			498			2			62			14			9			1,742			4,328		

(a) Includes one square mile closed throughout the year but transferred to Civil authorities at the end of the year.

APPENDIX II.

STATEMENT OF ANIMALS IMPOUNDED DURING 1892-93.

Division.	1892-93 (Financial year).					April, May and June 1893.					1892-93 (Forest year).					Total, for 1891-92.
	Cattle and buffaloes.	Sheep and goats.	Camels.	Horses and asses, &c.	Total.	Cattle and buffaloes.	Sheep and goats.	Camels.	Horses and asses, &c	Total.	Cattle and buffaloes.	Sheep and goats.	Camels.	Horses and asses, &c.	Total.	
Hazára	1,067	724	..	...	1,791	355	259	..	...	614	1,422	983	..	...	2,405	2,936
Ráwalpindi	1.808	4,461	249	12	6,530	680	680	49	3	1,412	2,488	5,141	298	15	7,942	7,022
Jhelum	776	686	23	110	1,595	274	39	...	53	366	1,050	725	23	163	1,961	2,261
Chenáb	3,276	2,482	471	113	6,342	602	898	10	20	1,530	3,878	3,380	481	133	7.872	5,863
Chamba	...	...	...	...	.	...	...	..	...	...	...	...	...	...	..	...
Kángra	2,686	406	...	38	3,130	444	137	...	1	582	3,130	543	...	39	3,712	2,648
Kulu	4	3	...	..	7	...	...	...	...	...	4	3	...	...	7	122
Bashahr	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...
Simla Hill Tracts	242	467	...	30	739	51	145	...	16	212	293	612	...	46	951	282
Ambala	55	36	23	7	121	35	7	...	14	56	90	43	23	21	177	327
Lahore	3,433	3,832	171	94	7,530	363	292	35	11	701	3,796	4,124	206	105	8,231	8,650
Montgomery	1,503	562	186	39	2.290	252	41	48	14	355	1,755	603	234	53	2,645	2,191
Multan	2,366	2,037	602	173	5,178	424	12	131	24	591	2,790	2,049	733	197	5,769	3,896
Total	17,216	15,696	1,725	616	35,253	3,480	2,510	273	156	6,419	20.696	18,206	1,998	772	41,672	36,198

APPENDIX III.

SALES UNDER R II *d*.

Division.	1890-91.	1891-92.	Forest year, 1892-93.
	Rs.	Rs.	Rs.
Huzára	8,864	10,236	10,981
Ráwalpindi	7,127	8,837	16,038
Jhelum	13,570	14,167	23,795
Chenáb	88,147	83,303	78,143
Chamba	592	403	1,136
Káugra	5,238	5,502	5,545
Kulu	115	208	3,357
Bashahr	...	...	...
Simla Hill Tracts	64	113	2,122
Ambala	1,867	2,022	1,065
Lahore	38,711	47,878	66,022
Montgomery	47,584	36,671	34,534
Multan	11,023	9,584	14,415
Total	2,22,902	2,18,924	2,57,153

APPENDIX IV.

RIVER ACCOUNT.

APPENDIX IV.

RIVER ACCOUNT.

Division.	Description.	Opening Balance.	Received: From Upper Forests.	Received: From Forests during the year.	Received: Drift Timber.	Received: By transfer from other classes.	Total Receipts.	Grand Total.	Disposed of: By sales.	Disposed of: By launchings	Disposed of: By transfers to other classes.	Disposed of: In other ways.	Total Disposals.	Closing Balance.
HAZARA ...	Pine trees	4	...	216	...	...	216	220	...	..	188	...	188	32
	Deodar logs	1,777	...	2,471	...	...	2,471	4,248	...	2,703	...	...	2,703	1,545
	Pine logs	233	...	...	...	745	745	978	10	287	...	3	300	678
	Total	2,014	...	2,687	...	745	3,432	5,446	10	2,990	188	3	3,191	2,255
JHELUM ...	Deodar logs	2,161	2,600	...	15	..	2,615	4,776	3,068	...	...	9	3,077	1,699
	Pine logs	469	819	...	1	...	820	1.289	608	...	...	...	608	681
	Total	2,630	3,419	...	16	...	3,435	6,065	3,676	...	...	9	3,685	2,380
KULU ...	Deodar trees	20	...	176	...	...	176	196	...	...	196	...	196	..
	Pine trees	...	...	24	...	...	24	24	...	...	...	24	24	...
	Total	20	...	200	...	...	200	220	...	...	196	24	220	...
KANGRA ...	Deodar logs	221	691	...	...	...	691	912	577	...	...	...	577	335
	Pine logs	1	23	...	...	..	23	24	5	...	...	...	5	19
	Sleepers	2,560	193	...	...	...	193	2,753	2,703	...	...	...	2,703	50
	Total	2,782	907	...	...	...	907	3,689	3,285	...	...	...	3,285	404

BASHAHR ...	Deodar logs	937	...	12,890	...	...	12,890	13,827	...	8,172	1,032	110	9,314	4,513
	Pine logs	154	...	509	...	...	509	663	...	478	...	23	501	162
	Sleepers and scantlings	4,130	...	...	...	10,777	10,777	14,907	...	9,648	...	968	10,616	4,291
	Total	5,221	..	13,399	...	10,777	24,176	29,397	...	18,298	1,032	1,101	20,431	8,966
AMBALA ...	Deodar Logs	8,675	5,809	...	...	22	5,831	14,506	4,924	...	30	50	5,004	9,502
	Pine logs	1,078	921	...	...	...	921	1,999	1,539	...	2	...	1,541	458
	Sleepers	288	6,809	...	58	...	6,867	7,155	5,216	..	...	...	5.216	1,939
	Total	10,041	13,539	...	58	22	13,619	23,660	11,679	...	32	50	11,761	11,899
CHAMBA ...	Deodar logs	857	4.078	3,188	38	14,686	21,990	22,847	2,775	113	13,492	6	16,386	6,461
	Pine logs	2	1,803	1	3	1,443	3,250	3,252	1,295	5	893	..	2,193	1,059
	Deodar sleepers and scantlings ...	21,453	69,095	1,833	12	64,922	1,35,862	1,57,315	42,246	*91,474	...	2,138	1,35,858	21.457
	Total	22,312	74,976	5,022	53	81,051	1,61,102	1,83,414	46,316	91,592	14,385	2,144	1,54,437	28,977
CHENAB ...	Deodar logs	190	57	...	454	...	511	701	668	...	...	14	682	19
	Pine logs	205	12	...	366	...	378	583	561	...	...	21	582	1
	Sleepers	5	54	...	266	...	320	325	305	...	...	..	305	20
	Total	400	123	...	1,086	...	1,209	1,609	1,534	...	...	35	1,569	40

* Includes 40,261 deodar sleepers and scantlings raised from one depôt to another.

APPENDIX V.

Gross Outturn.

Name of Divisions.	Government Agency.			Purchasers.			Free-grantees.			Right holders.			Total.		
	Financial year.		Forest year.	Financial year.		Forest year.	Financial year		Forest year.	Financial year.		Forest year.	Financial year.		Forest year.
	1890-91.	1891-92.	1892-93.	1890-91.	1891-92.	1892-93.	1890-91.	1891-92	1892-93.	1890-91.	1891-92.	1892-93.	1890-91.	1891-92.	1892-93.
	C ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft	C. ft	C. ft.	C. ft.	C. ft:	C. ft	C ft	C. ft.	C ft.	C. ft.
Hazára	1,68,226	1,73,636	1,66,196	1,34.147	1,82,349	1.35.794	6,721	5,821	7,276	34,980	34,980	43,725	3,44,074	3,96,786	3,52,991
Ráwalpindi	..	..	57,916	6,15,227	5,28,063	6,91,177	...	...	...	29,76,140	20,81,577	20,79,246	35,91,367	26,09,640	28,28,339
Jhelum	3.780	124	415	1,910	2,900	17,009	41,536	41,536	51,892	4,08,490	4,08,490	5,10,456	4,55,716	4,53,050	5,79,772
Chenáb	...	...	8,673	5,48,517	4 15,536	1,51,637	...	...	...	...	...	...	5,48,517	4,15,536	1,60,310
Chamba	4,46,346	1,27,559	2,25,802	54,586	69,298	64,527	...	...	...	642	31,747	4,205	5,01,574	2,28,604	2,94,534
Kángra	...	...	..	1,24,805	85,822	1,43,176	713	...	100	1.38,081	1,20,273	1,93,005	2,63,599	2,06,095	3,36,281
Kulu	33,545	13,108	8,237	48,773	1,87,055	92,382	10,534	9,368	26,209	1,43,21,220	1,40,63,094	1,75,59,011	1,44,14,072	1,42,72,625	1,76,85,839
Bashahr	2,35,592	3,41,527	4,97,265	200	...	...	46,690	8,22,780	4,00,110	87,60,000	87,60,000	1,06,68,804	90,42,482	99,24,307	1,15,66,179
Simla	908	...	..	2	3,250	6,875	4,548	1,820	1,417	74,308	74,145	1,00,355	79,766	79,215	1,08,647
Ambala	229	699	1,25,643	5,069	5,236	4,690	...	...	...	...	...	...	5,298	5,935	1,30,333
Lahore	5,55,736	8,63,704	7,01,862	13,353	13,357	20,363	2,484	3,463	3,676	...	...	...	5,71,573	8,80,524	7,25,901
Montgomery	9,16,396	11,45,292	11,27,734	53,330	51.298	71,440	...	...	...	...	...	...	9,69,726	11,96,590	11,99,174
Multan	5.95,111	5,79,241	5,79,386	3,40,644	1,00,965	2,28,534	...	...	...	...	...	...	9,35,755	6,80,206	8,07,920
Total ...	29,55,869	32,44,890	34,99,129	19,40,563	16,45,129	16,27,604	1,13,226	8,84,788	4,90,680	2,67,13,861	2,55,74,306	3,11,58,807	3,17,23,519	3,13,49,113	3,67,76,220

APPENDIX VI.

Outturn by different classes of produce during 1892-93

Divisions.	Government Agency.						Purchasers.						Free-grantees.						Right-holders.						Total.					
	Logs.	Poles.	Sawn timber.	Miscellaneous.	Fuel.	Total.	Logs.	Poles.	Sawn timber.	Miscellaneous.	Fuel.	Total.	Logs.	Poles.	Sawn timber.	Miscellaneous.	Fuel.	Total.	Logs.	Poles.	Sawn timber.	Miscellaneous.	Fuel.	Total.	Logs.	Poles.	Sawn timber.	Miscellaneous.	Fuel.	Total.
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Hazára	1,43,243	..	3,628		19,325	1,66,19	53,326	.	...	..	82,468	1,35,794	..	...		..	7,276	7,276	...			..	43,72	43,72	1,96,569	...	3,628	...	1,52,794	3,52,991
Ráwalpindi	..	..	.		57,916	57,916	1,89,428	1,056	3,358	313	4,97,022	6,91,177	...	...	..	.	...	...	65,240	12,713	...	..	20,01,293	20,79,246	2,54,668	13,769	3,358	313	25,56,231	28,28,339
Jhelum	.	..	..	...	415	415		...	...	...	17,009	17,009	...	...	...	...	51,892	51,892	...	..	.		5,10,456	5,10,456	.			.	5,79,772	5,79,772
Chenab			...	..	8,673	8,67	...		...	...	1,51,637	1,51,637	.	...	...	..	...	...	...	...		...	.	...	..	...	...	...	1,60,310	1,60,310
Chamba ...	2,659	151	2,22,941		51	2,25,9	22,638	1,959	...		39,910	64,527	...	...	...		...	...	4,205	...	...	...	...	4,205	29,522	2,110	2,22,941	...	39,961	2,94,534
Kángra ...		.			...	..	1,23,917	...	...	...	19,259	1,43,176	100	...		...		100	1,90,550	...	...	...	2,455	1,93,005	3,14,567	..	...	...	21,714	3,36,281
Kulu ...	...	...	6,493	1,744	...	8 237	...	...	...	84,525	7,857	92,382	...	...	...	26,209	..	26,209	...	...	..	2,21,511	1,73,37,500	1,75,59,011	..	...	6,493	3,33,989	1,73,45,357	1,76,85,839
Bashahr ...	4,62,612	...	33,883	770	.	4,97,265		..	...	.	...	...		3,00,960	99,150	...	...	4,00,110	...	...	...		1,06,68,804	1,06,68,804	4,62,612	3,00,960	1,33,033	770	1,06,68,804	1,15,66,179
Simla Hill Tracts ...	...	...	...	...	...	..	6,324	641	...	...	10	6,875	410	1,007	...	...	...	1,417	5,654	5,621		.	89,180	1,00,315	12,188	7,269	..	...	89,190	1,08,647
Ambala ...	...	5,098	106	1,066	1,19,373	1,25,643	...	486	.	22	4,182	4,690	..	...		...	...	...	...	..		...	...	.	...	5,584	106	1,088	1,23,555	1,30,333
Lahore ...	4,352	1,125		...	6,96,385	7,01,862	5,158	..	...	..	15,205	20,363	...	...	...	...	3,676	3,676	...		..	..	...	...	9,510	1,125		...	7,15,266	7,25,901
Montgomery	...	...		..	11,27,734	11,27,734	...			2,936	68,504	71,440	...	...	...	...	..	...		...		...	...			..	..	2,936	11,96,238	11,99,174
Multan ...	...	.		.	5,79,386	5,79,386		4,470	...	...	2,24,064	2,28,534	..		...	4.		..	..	...	.	...	...	...	..	4,470			8,03,450	8,07,920
Total ...	6,12,866	6,374	2,67,051	3,580	26,09,258	34,99,129	4,00,711	8,612	3,358	87,796	11,27,127	16 27,604	510	3,01,967	99,150	26,209	62,844	4,90,680	2,65,549	18,334		2,21,511	3,06,53,413	3,11,58,807	12,79,636	3,35,297	3,69,559	3,39,006	3,44,52,642	3,67,76,220

APPENDIX VII.

Outturn by Units during 1892-93.

Units.	Logs.					Poles.					Sawn Timber.					Miscellaneous.					Fuel.					Total.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Hazára.																														
Kághán ...	1,43,243	24	...	...	1,43,267	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,580	...	21,450	23,030	1,43,243	1,604	...	21,450	1,66,297
Siran ...	...	375	...	...	375	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	112	...	2,475	2,587	...	487	...	2,475	2,962
Dungagali ...	...	50,927	...	...	50,927	...	...	...	...	...	3,628	...	...	...	3,628	...	...	...	...	...	13,516	65,930	7,276	19,800	1,06,522	17,144	1,16,857	7,276	19,800	1,61,077
Khanpur ...	...	2,000	...	...	2,000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5,809	14,846	...	...	20,655	5,809	16,846	...	...	22,655
Total ...	1,43,243	53,326	...	...	1,96,569	...	...	...	...	...	3,628	...	...	...	3,628	...	...	...	...	...	19,325	83,468	7,276	43,725	1,52,794	1,66,196	1,35,794	7,276	43,725	3,52,991
Rawalpindi.																														
Murree Reserve ...	...	28,362	...	...	28,362	...	10	...	...	10	...	158	...	...	158	...	60	...	...	60	57,916	1,94,958	...	49,238	3,02,112	57,916	2,23,548	...	49,238	3,30,702
Kahúta ,, ...	...	85,058	...	...	85,058	...	56	...	...	56	...	2,095	...	...	2,095	...	8	...	...	8	...	93,754	...	1,50,262	2,44,016	...	1,80,971	...	1,50,262	3,31,233
Fatehjang ,, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	3	...	200	...	...	200	...	203	...	...	203
Rawalpindi ,, ...	...	...	...	...	...	...	62	...	...	62	...	...	...	...	...	...	6	...	...	6	...	25,736	...	1,21,990	1,47,726	...	25,804	...	1,21,990	1,47,794
Kálachitta ,, ...	...	...	...	...	...	...	179	...	...	179	...	...	...	...	...	...	...	...	...	...	...	1,53,755	...	...	1,52,757	...	1,52,934	...	...	1,52,934
Attock ,, ...	...	...	...	...	...	...	9	...	...	9	...	...	...	...	...	...	6	...	...	6	...	313	...	...	313	...	328	...	...	328
Murree Protected ...	...	35,432	...	1,280	36,712	...	329	...	75	404	...	284	...	...	284	...	5	...	...	5	...	25,745	...	10,63,280	10,89,025	...	61,795	...	10,64,635	11,26,430
Kahúta ,, ...	...	35,547	...	360	35,907	...	1	...	...	1	...	26	...	...	26	...	4	...	...	4	...	297	...	6,16,523	6,16,820	...	35,875	...	6,16,523	6,52,398
Unclassed ...	...	5,029	...	63,600	68,629	...	410	...	12,638	13,048	...	795	...	...	795	...	221	...	...	221	...	3,264	...	...	3,264	...	9,719	...	76,328	85,987
Total ...	...	1,89,428	...	65,240	2,54,668	...	1,056	...	12,713	13,769	...	3,358	...	...	3,358	...	313	...	...	313	57,916	4,97,022	...	20,01,293	25,56,231	57,916	6,91,177	...	20,79,246	28,28,339
Jhelum.																														
Jhelum Reserves	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6,704	...	2,85,456	2,92,160	...	6,704	...	2,85,456	2,92,160
Pind Dádan Khan ,, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	124	41,404	...	41,528	...	124	41,404	...	41,528
Chakwál ,, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8,802	...	...	8,802	...	8,802	...	...	8,802
Reserved Belas ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	415	391	...	...	806	415	391	...	...	806
Khuahób rakhs ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	972	10,488	2,25,000	2,36,460	...	972	10,488	2,25,000	2,36,460
Chakwál ,, ,, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	16	...	...	16	...	16	...	...	16
Total ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	415	17,009	51,892	5,10,456	5,79,772	415	17,009	51,892	5,10,456	5,79,772
Chenáb.																														
Háfizabad Reserves	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	256	...	...	256	...	256	...	...	256
Gujránwála do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3,247	...	...	3,247	...	3,247	...	...	3,247
Thatta Faqirullado.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8,120	1,016	...	...	9,136	8,120	1,016	...	...	9,136
Gujrát do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	20	216	...	...	236	20	216	...	...	236
Pabbi do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	869	...	...	869	...	869	...	...	869
Phalián do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3,035	...	...	3,035	...	3,035	...	...	3,035
Háfizabad Protected ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	76	...	...	76	...	76	...	...	76
Kathála Plantation ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	249	...	...	249	...	249	...	...	249
Bhera Unclassed ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,04,802	...	...	1,04,802	...	1,04,802	...	...	1,04,802
Belas do. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	533	37,871	...	...	38,404	533	37,871	...	...	38,404
Total ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8,673	1,51,637	...	...	1,60,310	8,673	1,51,637	...	...	1,60,310
Chamba.																														
Bhándal ...	1,355	3,731	...	...	5,086	...	28	...	...	28	64,568	...	...	...	64,568	...	...	...	...	...	...	...	...	...	...	65,923	3,759	...	...	69,682
Tisa ...	...	1,300	...	1,045	2,345	...	10	...	...	10	75,716	...	...	...	75,716	...	...	...	...	...	...	...	...	...	...	75,716	1,310	...	1,045	78,071
Barmour ...	...	2,710	...	1,605	4,316	...	255	...	...	255	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2,965	...	1,605	4,570
Chamba ...	...	4,385	...	300	4,685	...	252	...	...	252	58,123	...	...	...	58,123	...	...	...	...	...	...	...	...	...	...	58,123	3,637	...	300	63,060
Pangi ...	1,298	855	...	420	2,573	...	...	...	...	...	5,509	...	...	...	5,509	...	...	...	...	...	...	...	...	...	...	6,807	855	...	420	8,082
Kálatop ...	3	1,342	...	...	1,345	151	396	...	...	547	15,605	...	...	...	15,605	...	...	...	...	...	61	26,852	...	...	26,900	15,810	28,590	...	...	44,400
Kainthli ...	...	...	...	835	835	...	...	...	...	...	3,345	...	...	...	3,345	...	...	...	...	...	...	...	...	...	...	3,345	...	...	835	4,180
Bankhet ...	3	7,163	...	...	7,166	...	818	...	...	818	75	...	...	...	75	...	...	...	...	...	...	13,050	...	...	13,050	78	21,031	...	...	21,109
Baíloh ...	...	1,075	...	...	1,075	...	200	...	...	200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,275	...	...	1,275
Total ...	2,659	22,561	...	4,205	29,425	151	1,959	...	...	2,110	2,22,941	...	...	...	2,22,941	...	...	...	...	...	51	39,902	...	...	39,953	2,25,802	64,422	...	4,205	(a)2,94,429

Kángra.																															
Núrpur Reserve ...	...	38,047	...	...	38,047	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,292	...	...	1,292	...	39,339	...	...	39,339
Dera „ ...	...	13,667	...	...	13,667	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5,376	...	...	5,376	...	19,043	...	...	19,043
Núrpur Unclassed ...	...	34,115	...	112	34,227	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,953	...	...	1,953	...	36,068	...	112	36,180
Dera „ ...	...	27,666	100	1,90,438	2,18,204	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10,638	...	2,455	13,093	...	38,304	100	1,92,893	2,31,297
River „ ...	...	10,422	...	...	10,422	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10,422	...	...	10,422
Total ...	...	1,23,917	100	1,90,550	3,14,567	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19,259	...	2,455	21,714	...	1,43,176	100	1,93,005	3,36,281
Kulu.																															
Upper Kulu ...	...	...	...	...	...	...	...	...	...	...	326	...	...	...	326	1,602	45,335	4,049	24,937	75,923	...	7,619	...	33,78,342	33,85,861	1,928	52,854	4,049	34,63,279	34,62,110
Lower „ ...	...	...	...	...	...	...	...	...	...	...	47	...	...	...	47	141	16,063	6,993	1,09,454	1,32,671	...	322	...	33,78,334	33,78,656	185	16,405	6,993	34,97,786	35,11,374
Inner Seoráj ...	...	...	...	...	...	...	...	...	...	...	6,033	...	...	...	6,033	...	3,102	3,881	14,005	20,988	...	...	...	29,91,956	29,91,956	6,033	3,102	3,881	30,05,961	30,18,977
Outer „ ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	5,091	5,733	1,509	12,334	...	...	...	51,51,712	51,51,712	1	5,091	5,733	51,53,221	51,64,046
Rupi ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8,945	5,553	71,606	86,104	...	16	...	24,37,156	24,37,172	...	8,961	5,553	25,08,762	25,23,276
River ...	...	...	...	...	...	...	...	...	...	...	87	...	...	...	87	...	5,969	...	...	5,969	...	...	...	...	...	87	5,969	...	...	6,056
Total ...	...	...	...	...	...	...	...	...	...	...	6,493	...	...	...	6,493	1,744	84,525	26,209	2,21,511	3,33,989	...	7,857	...	1,73,37,500	1,73,45,357	8,237	92,382	26,209	1,75,59,011	1,76,85,839
Bashahr.																															
Pabar ...	...	...	...	...	...	...	...	66,340	...	66,340	...	...	39,200	...	39,200	...	...	...	...	...	...	...	...	45,90,970	45,90,970	...	...	1,25,540	45,90,970	47,16,510
Neogli ...	...	...	...	...	...	...	...	31,180	...	31,180	...	...	11,700	...	11,700	...	...	...	...	...	...	...	...	26,14,567	26,14,567	...	...	42,880	26,14,567	26,57,447
Taranda ...	...	...	...	...	...	...	...	79,480	...	79,480	...	...	18,600	...	18,600	...	...	...	...	...	...	...	...	5,85,460	5,85,460	...	...	96,080	5,85,460	6,83,540
Kilba ...	1,10,956	...	...	...	1,10,956	...	...	10,380	...	10,380	8,449	...	2,200	...	10,649	245	...	...	...	245	...	...	...	1,67,316	1,67,316	1,19,650	...	12,589	1,67,316	2,99,546
Kailás ...	2,58,391	...	...	...	2,58,391	...	...	33,840	...	33,840	...	...	9,500	...	9,500	525	...	...	...	525	...	...	...	6,99,340	6,99,340	2,58,916	...	43,340	6,99,340	10,01,596
Chini ...	4,605	...	...	...	4,605	...	...	35,220	...	35,220	25,434	...	8,450	...	33,884	...	...	...	...	...	...	...	...	15,23,364	15,23,364	30,069	...	43,670	15,23,364	15,97,133
Pandrabís ...	86,600	...	...	...	86,600	...	...	24,520	...	24,520	...	...	9,500	...	9,500	...	...	...	...	...	...	...	...	4,87,787	4,87,787	88,600	...	34,020	4,87,787	6,10,407
Total ...	4,62,612	...	...	...	4,62,612	...	...	3,00,960	...	3,00,960	33,883	...	99,150	...	1,33,033	770	...	...	...	770	...	...	...	1,06,68,804	1,06,68,804	4,97,265	...	4,00,110	1,06,68,804	1,15,66,179
Simla Hill Tracts.																															
Kotgarh and Kotkhái Reserve.	...	6,164	410	5,554	12,128	...	641	1,007	5,621	7,269	...	...	...	...	...	...	...	...	...	...	...	...	...	89,180	89,180	...	6,805	1,417	1,00,355	1,08,577
Sabáthu ...	...	60	...	...	60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	60	...	...	60
Jutogh ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10	...	...	10	...	10	...	...	10
Total ...	...	6,224	410	5,554	12,188	...	641	1,007	5,621	7,269	...	...	...	...	...	...	...	...	...	...	...	10	...	89,180	89,190	...	6,875	1,417	1,00,355	1,08,647
Ambala.																															
Kalesar Reserve ...	...	...	...	...	...	5,098	395	...	...	5,493	106	...	...	...	106	1,066	22	...	...	1,088	1,19,373	1,890	...	...	1,21,263	1,25,643	2,307	...	...	1,27,950
Jagádhri „ ...	...	...	...	...	...	...	91	...	...	91	...	...	...	...	...	...	...	...	...	...	...	372	...	...	372	...	463	...	...	463
Jalandhar „ ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	900	...	...	900	...	900	...	...	900
Phillour „ ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	720	...	...	720	...	720	...	...	720
Ludhiána „ ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	300	...	...	300	...	300	...	...	300
Total ..	...	...	...	...	...	5,098	486	...	...	5,584	106	...	...	...	106	1,066	22	...	...	1,088	1,19,373	4,182	...	...	1,23,555	1,25,643	4,690	...	...	1,30,333
Lahore.																															
Chánga Manga Plantation.	4,156	12	...	...	4,168	28	...	...	...	28	...	...	...	...	...	...	...	...	...	...	5,90,466	844	...	...	5,91,310	5,94,650	856	...	...	5,95,506
Shahdara ...	156	320	...	...	476	1,097	...	...	...	1,097	...	...	...	...	...	...	...	...	...	...	78,482	6,807	...	...	85,289	79,735	7,127	...	...	86,862
Jhok ...	...	90	...	...	90	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11,442	1,203	...	...	12,645	11,442	1,293	...	...	12,735
Amritsar Reserves ...	...	81	...	...	81	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,827	220	...	...	2,047	1,827	301	...	...	2,128
Obánga Mánga Rakh Circle.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...	...	6	...	6	...	...	6
Sádhanwáli ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3,574	112	...	...	3,686	3,574	112	...	...	3,686
Carob ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,384	380	...	...	1,764	1,384	380	...	...	1,764
Chunián Rakhs ...	40	...	...	...	40	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8,624	5,221	3,676	...	17,721	8,864	5,221	3,676	...	17,761
Lahore „ ...	...	320	...	...	320	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	386	43	...	...	429	386	363	...	...	749
Sharakpur „ ...	...	4,335	...	...	4,335	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	365	...	...	365	...	4,700	...	...	4,700
Kot Lakhpat Plantation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	4	...	4	...	...	4
Total ...	4,352	5,158	...	...	9,510	1,125	...	...	...	1,125	...	...	...	...	...	...	...	...	...	...	6,96,385	15,205	3,676	...	7,15,266	7,01,862	20,363	3,676	...	7,25,901
Montgomery.																															
Montgomery Reserves	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	559	...	...	559	3,52,358	16,386	...	...	3,68,744	3,52,358	16,945	...	...	3,69,303
„ Unclassed	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2,377	...	...	2,377	7,75,376	52,118	...	...	8,27,494	7,75,376	54,495	...	...	8,29,871
Total ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2,936	...	...	2,936	11,27,734	68,504	...	...	11,96,238	11,27,734	71,440	...	...	11,99,174
Multan.																															
Kabírwála Reserves...	...	...	...	...	...	...	92	...	...	92	...	...	...	...	...	...	...	...	...	...	4,59,464	31,717	...	...	4,91,181	4,59,464	31,809	...	...	4,91,273
Lodhrán „ ...	...	...	...	...	...	...	508	...	...	508	...	...	...	...	...	...	...	...	...	...	42,279	15,596	...	...	57,875	42,279	16,104	...	...	58,383
Mailsi „ ...	...	...	...	...	...	...	548	...	...	548	...	...	...	...	...	...	...	...	...	...	2,572	526	...	...	3,098	2,572	1,074	...	...	3,646
Lodhrán Unclassed	...	...	...	...	...	...	8	...	...	8	...	...	...	...	...	...	...	...	...	...	...	105	...	...	105	...	113	...	...	113
Mailsi „ ...	...	...	...	...	...	...	1,925	...	...	1,925	...	...	...	...	...	...	...	...	...	...	...	4,206	...	...	4,206	...	6,131	...	...	6,131
Sanáwán „ ...	...	...	...	...	...	...	36	...	...	36	...	...	...	...	...	...	...	...	...	...	526	1,49,720	...	...	1,50,246	526	1,49,756	...	...	1,50,282
Muzaffargarh „ ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	74,545	10,314	...	...	84,859	74,545	10,314	...	...	84,859
Alpur „ ...	...	...	...	...	...	...	651	...	...	651	...	...	...	...	...	...	...	...	...	...	...	6,308	...	...	6,308	...	6,959	...	...	6,959
Rájanpur „ ...	...	...	...	...	...	...	178	...	...	178	...	...	...	...	...	...	...	...	...	...	...	105	...	...	105	...	283	...	...	283
Dera Ghási Khan „ ...	...	...	...	...	...	...	524	...	...	524	...	...	...	...	...	...	...	...	...	...	...	5,467	...	...	5,467	...	5,991	...	...	5,991
Total ...	...	...	...	...	...	...	4,470	...	...	4,470	...	...	...	...	...	...	...	...	...	...	5,79,386	2,24,064	...	...	8,03,450	5,79,386	2,28,534	...	...	8,07,920
GRAND TOTAL ...	6,12,866	4,00,614	510	2,65,549	12,79,539	6,374	8,612	3,01,967	18,334	3,35,287	2,67,051	3,359	99,150	...	3,69,559	3,580	87,796	26,209	2,21,511	3,39,096	26,09,358	11,27,119	62,844	3,06,53,413	3,44,52,634	34,99,129	16,27,499	4,90,650	3,11,58,807	3,67,76,115

(a). Does not include 105 cubic feet removed from unclassed forests.

APPENDIX VIII.

Outturn of Timber and Fuel by Division.

By Government Agency.

Division.	Outturn, 1891-92.	Outturn, financial year, 1892-93.	Increase.	Decrease.	Outturn, three months.	Outturn forest year. 1892-93.	Increase.	Decrease.
	C. ft.	C. ft.	C ft.	C ft.	C. ft.	C. ft.	C. ft.	C. ft.
Hazára	1,73,636	1,63,550	...	10,086	2,646	1,66,196	...	7,440
Ráwalpindi	...	57,916	57,916	...	...	57,916	57,916	...
Jhelum	124	146	22	...	269	415	291	...
Chenáb	..	8,673	8,673	...	...	8,673	8,673	...
Chamba	1,27,559	2,07,886	80,327	...	17,916	2,25,802	98,243	...
Kángra	...	...	...	...	...	..	..	...
Kulu	13,108	556	...	12,552	7,681	8,237	...	4,871
Bashahr	3,41,527	3,13,518	...	28,009	1,83,747	4,97,265	1,55,738	...
Simla	...	...	...	...	...	...	...	...
Ambala	699	93,420	92,721	...	32,223	1,25,643	1,24,944	...
Lahore	8,63,704	6,98,731	...	1,64,973	3,131	7,01,862	...	1,61,842
Montgomery... ...	11,45,292	10,51,744	...	93,548	75,990	11,27,734	...	17,558
Multan	5,79,241	4,85,156	..	94,085	94,230	5,79,386	145	...
Total ...	32,44,890	30,81,296	...	1,63,594	4,17,833	34,99,129	2,54,239	...

By Purchasers.

Hazára	1,82,349	75,779	...	1,06,570	60,015	1,35,794	...	46,555
Ráwalpindi	5,28,063	4,30,353	...	97,710	2,60,824	6,91,177	1,63,114	...
Jhelum	2,900	16,537	13,637	...	472	17,009	14,109	...
Chenáb	4,15,536	1,51,602	...	2,63,934	35	1,51,637	..	2,63,899
Chamba	69,298	49,171	...	20,127	15,356	64,527	...	4,771
Kángra	85,822	1,40,508	54,686	...	2,668	1,43,176	57,354	...
Kulu	1,87,055	67,418	...	1,19,637	24,964	92,382	...	94,673
Bashahr	...	...	...	...	...	...	...	...
Simla	3,250	6,865	3,615	...	10	6,875	3,625	...
Ambala	5,236	4,675	..	561	15	4,690	...	546
Lahore	13,357	15,400	2,043	...	4,963	20,363	7,006	...
Montgomery... ...	51,298	58,061	6,763	...	13,379	71,440	20,142	...
Multan	1,00,965	2,23,852	1,22,887	...	4,682	2,28,534	1,27,569	...
Total ...	16,45,129	12,40,221	...	4,04,908	3,87,383	16,27,604	...	17,525

APPENDIX VIII—*concluded.*

By Free-grantees.

Division.	Outturn, 1891-92.	Outturn, financial year, 1892-93.	Increase.	Decrease.	Outturn, three months.	Outturn, forest year, 1892-93.	Increase.	Decrease.
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Hazára	5,821	5,821	...	...	1,455	7,276	1,455	...
Ráwalpindi	...	...	...	...	...	...	...	...
Jhelum	41,536	41,536	...	...	10,356	51,892	10,356	..
Chenáb	...	...	...	...	...	...	...	...
Chamba	...	...	...	...	...	...	...	...
Kángra	...	100	100	...	...	100	100	...
Kulu	9,368	17,814	8,446	...	8,395	26,209	16,841	...
Bashahr	8,22,780	3,32,870	...	4,89,910	67,240	4,00,110	...	4,22,670
Simla	1,820	410	...	1,410	1,007	1,417	...	403
Ambala	...	...	...	...	...	...	...	...
Lahore	3,463	3,676	213	...	...	3,676	213	...
Montgomery... ...	...	...	...	...	...	...	...	...
Multan	...	...	...	...	...	...	...	...
Total ...	8,84,788	4,02,227	...	4,82,561	88,453	4,90,680	...	3,94,108

By Right-holders.

Hazára	34,980	34,980	...	...	8,745	43,725	8,745	...
Ráwalpindi	20,81,577	20,65,811	...	15,766	13,435	20,79,246	...	2,331
Jhelum	4,08,490	4,08,490	...	...	1,01,966	5,10,456	1,01,966	...
Chenáb	...	...	...	...	...	...	...	...
Chamba	31,747	3,660	..	28,087	545	4,205	...	27,542
Kángra	1,20,273	1,13,213	...	7,060	79,792	1,93,005	72,732	...
Kulu	1,40,63,094	1,40,14,206	...	48,888	35,44,805	1,75,59,011	34,95,917	...
Bashahr	87,60,000	85,35,043	...	2,24,957	21,33,761	1,06,68,804	19,08,804	...
Simla	74,145	75,027	882	...	25,328	1,00,355	26,210	...
Ambala	...	..	...	...	...	...	...	...
Lahore	...	...	...	...	...	...	...	...
Montgomery... ...	...	...	...	...	...	...	...	...
Multan	...	..	...	...	...	...	...	...
Total ...	2,55,74,306	2,52,50,430	...	3,23,876	59,08,377	3,11,58,807	55,84,501	...

APPENDIX IX.

Removal of timber and fuel by Purchasers, detail by Division.

Division.	Financial year. 1890-91.	Financial year. 1891-92.	Forest year, 1892-93.
	C. ft.	C. ft.	C. ft.
Hazára	1,34,147	1,82,349	1,35,794
Ráwalpindi	6,15,227	5,28,063	6,91,177
Jhelum	1,910	2,900	17,009
Chenáb	5,48,517	4,15,536	1,51,637
Chamba	54,586	69,298	64,527
Kángra	1,24,805	85,822	1,43,176
Kulu	48,773	1,87,055	92,382
Bashahr	200	...	...
Simla Hill Tracts	2	3,250	6,875
Ambala	5,069	5,236	4,690
Lahore	13,353	13,357	20,363
Montgomery	53,330	51,298	71,440
Multan	3,40,644	1,00,965	2,28,534
Total	19,40,563	16,45,129	16,27,604

APPENDIX X.

STATEMENT SHOWING ABSTRACT OF DRIFT OPERATIONS DURING THE YEAR 1892-93

DRIFT TIMBER

Particulars	No or quantity.	Cubic feet.	Total of each head. No. or quantity	Total of each head. Cubic feet.
BALANCE IN HAND AT COMMENCEMENT OF THE YEAR				
Jhelum Division				
Deodar logs	18	882		
Sleepers	35	106		
Miscellaneous pieces	9	12		
			62	1,000
Chenáb Division				
Deodar logs	69	530		
Pine logs	48	319		
B. G sleepers	60	180		
Miscellaneous pieces	100	251		
			277	1,280
Multan Division.				
Deodar logs	98	781		
Kikar logs	1	5		
Deodar sleepers	2	8		
Pine sleepers	3	8		
			104	802
Ambala Division.				
B. G. sleepers	19	66		
N. G. "	35	45		
Sleeper pieces	6	9		
			60	120
TOTAL BALANCE			503	3,202
RECEIPTS				
Received during the year.				
Deodar logs	1,142	16,096		
Pine and other logs	447	6,321		
B. G. sleepers	226	784		
N G. "	312	414		
Deodar "	1,150	3,706		
Deodar sleepers and scantlings	124			
Sleepers	35	117		
Pine sleepers	29	116		
Chil ballas	1	.		
Miscellaneous pieces	2,253	7,043		
			5,805	35,596
TOTAL RECEIPTS			5,805	(a)35,596
GRAND TOTAL ...			6,308	38,798
TOTAL FOR 1891-92			22,544	69,199

Particulars	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
DISPOSALS				
Made over to Claimants.				
Deodar logs	560	8,306		
Pine and other logs	51	814		
B. G sleepers	111	385		
N G. "	157	207		
Deodar "	734	2,328		
Deodar sleepers and scantlings	112			
Sleepers	12	39		
Pine sleepers	17	67		
Pine and other scantlings	3	4		
Miscellaneous pieces	650	1,015		
			2,407	13,165
Transferred to Government Account				
Deodar logs	553	8,311		
Pine and other logs	376	4,858		
B. G sleepers	37	128		
N. G. "	21	28		
Deodar "	825	1,044		
Deodar sleepers and scantlings	12	.		
Sleepers	48	149		
Pine sleepers	5	23		
Pine scantlings	53	58		
Chil ballas	1	.		
Miscellaneous pieces	1,380	4,676		
			2,811	(b) 19,275
TOTAL DISPOSALS ...			5,218	32,440
BALANCE AT CLOSE OF THE YEAR				
Jhelum Division.				
Deodar logs	80	539		
Pine logs	3	49		
Sleepers	10	35		
Miscellaneous pieces	46	87		
			139	710
Chenáb Division				
Deodar logs	134	2,033		
Pine logs	65	919		
Deodar sleepers	151	515		
Pine "	7	26		
Miscellaneous pieces	248	1,513		
			605	5,006
Multan Division.				
Deodar sleepers	2	7		
Miscellaneous pieces	26	15		
			28	22
Ambala Division				
B G. sleepers	97	337		
N. G "	169	224		
Scantlings	33	45		
Miscellaneous pieces	19	14		
			318	620
TOTAL BALANCE			1,090	6,358
GRAND TOTAL ...			6,308	38,798
TOTAL FOR 1891-92			22,544	69,199

(a) Receipts include 109 deodar logs, 3 pine logs, 124 deodar sleepers and scantlings and 1 chil balla in the Chamba Division, of which the cubical contents are unknown.

(b). 48 sleepers=140 cubic feet and 64 miscellaneous pieces=119 cubic feet when transferred to Government account in Jhelum Division were shown in Form No. 50 for timber, as 96 sleepers=125 cubic feet and 76 miscellaneous pieces=143 cubic feet. 1 deodar log=18 cubic feet and 6 deodar sleepers=42 cubic feet when transferred to Government account in Chenáb Division were shown in Form No 50 for timber as deodar scraps and pieces.

38 deodar logs, 3 pine logs, 12 deodar sleepers and scantlings and 1 chil balla when transferred to Government in Chamba Division were shown in Form No. 50 for timber, 38 deodar logs=334 cubic feet, 3 pine logs=20 cubic feet, 12 deodar sleepers and scantlings=30 cubic feet, and 1 chil balla= 2 cubic feet.

APPENDIX XI.

Minor Produce by Divisions.

By Government Agency.

Division	Outturn, 1891-92.	Outturn, financial year, 1892-93.	Increase.	Decrease.	Outturn, 3 months.	Outturn, forest year, 1892-93.	Increase.	Decrease.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Hazára	200	71	...	129	...	71	...	129
Ráwalpindi	...	...	...	...	...	...	...	...
Jhelum	...	...	...	...	...	...	...	...
Chenáb	...	..	...	...	...	...	...	...
Chamba	...	...	...	..	...	...	...	...
Kángra	12,828	11,354	...	1,474	845	12,199	..	629
Kulu	..	53	53	...	..	53	53	...
Bashahr	...	...	...	...	...	...	...	...
Simla	172	424	252	...	...	424	252	...
Ambala	...	...	..	...	...	...	...	...
Lahore	...	...	...	...	...	...	...	...
Montgomery... ...	...	...	...	...	...	...	...	...
Multan	4	311	307	..	...	311	307	...
Total ...	13,204	12,213	...	991	845	13,058	...	146
By Purchasers.								
Hazára	10,466	8,449	...	2,017	2,577	11,026	560	...
Ráwalpindi	9,013	9,732	719	...	6,900	16,632	7,619	...
Jhelum	14,908	17,315	2,407	...	7,938	25,253	10,345	...
Chenáb	85,102	40,567	...	44,535	37,722	78,289	...	6,813
Chamba	403	871	468	...	265	1,136	733	...
Kángra	5,561	5,632	71	...	5	5,637	76	...
Kulu	217	3,184	2,967	...	183	3,367	3,150	...
Bashahr	...	...	...	...	...	...	...	...
Simla	113	2,072	1,959	...	50	2,122	2,009	...
Ambala	2,059	1,188	..	871	79	1,267	...	792
Lahore	50,684	56,719	6,035	.	13,313	70,032	19,348	...
Montgomery... ...	39,703	38,271	...	1,432	924	39,195	...	508
Multan	10,150	12,307	2,157	...	2,729	15,036	4,886	...
Total ...	2,28,379	1,96,307	...	32,072	72,685	(a) 2,68,992	40,613	...

		Rs.	Rs.
(a)	RIIc.		83
	RIId. Grass	41,320	... 2,57,153
	Grazing	2,15,833	
	RIIe.		11,756
	Total		2,68,992

APPENDIX XI—*concluded.*

By Free-grantees.

Division.	Outturn, 1891-92.	Outturn, financial year, 1892-93.	Increase.	Decrease.	Outturn, 3 months.	Outturn, forest year, 1892-93.	Increase.	Decrease.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Hazára	24	24	...	...	6	30	6	...
Ráwalpindi	...	..	...	...	...	...	...	...
Jhelum	11,694	776	...	10,918	239	1,015	...	10,679
Chenáb	...	...	...	...	...	...	...	...
Chamba	...	...	...	...	...	...	...	...
Kángra	...	...	...	...	...	...	...	...
Kulu	...	...	...	...	...	...	...	...
Bashahr	...	...	...	...	...	...	...	...
Simla	...	...	...	...	...	..	...	...
Ambala	...	...	...	...	...	...	...	...
Lahore	210	212	2	...	...	212	2	...
Montgomery ...	...	...	...	...	...	...	...	...
Multan	...	...	...	...	...	...	...	...
Total ...	11,928	1,012	...	10,916	245	1,257	...	10,671

By Right-holders.

Hazára	683	683	...	...	170	853	170	...
Ráwalpindi	1,36,859	1,36,527	...	332	4	1,36,531	..	328
Jhelum	3,597	3,597	...	...	897	4,494	897	...
Chenáb	...	...	...	...	...	...	...	...
Chamba	...	...	...	...	...	...	...	...
Kángra	...	...	...	...	...	...	...	..
Kulu	63,163	64,244	1,081	...	17,026	81,270	18,107	...
Bashahr	26,620	34,019	7,399	...	8,509	42,528	15,908	...
la	47	1,454	707	...	363	1,817	1,070	...
Ambala	...	...	...	...	...	...	...	...
Lahore	...	...	...	...	...	...	..	...
Montgomery... ...	...	...	...	...	...	...	...	...
Multan	...	...	...	...	...	...	...	...
Total ...	2,31,669	2,40,524	8,855	...	26,969	2,67,493	35,824	...

APPENDIX XII.

STATEMENT OF IMPORTS OF TIMBER AND BAMBOOS DURING 1892-93.

River.	Territory from which received.	Financial year 1892-93.							Forest year 1892-93.						
		Deodar logs.	Pine logs.	Other logs.	Sleepers.	Scantlings.	Bamboos.	Miscellaneous timber.	Deodar logs.	Pine logs.	Other logs.	Sleepers.	Scantlings.	Bamboos.	Miscellaneous timber.
Sutlej	Native States	...	10	...	85,923	25,464	82,340	6,569	...	10	2	1,94,616	25,464	1,23,665	6,575
Beás	Mandi and Kutlehr ...	...	...	...	(a) 210	...	100	2,242	...	...	...	(a) 210	...	100	2,242
Rávi	Kashmír	418	...	421	(a) 35,540	...	276	5	3,046	...	631	(a) 50,496	...	1,976	778
Chenáb	Ditto	5,563	171	...	90,467	...	600	2,343	5,815	260	...	1,12,184	...	724	5,765
Jhelum	Ditto	100	2	...	58,886	...	...	1,40,596	133	2	...	60,957	...	...	1,68,031
Indus	Swát, Káshgar, Chingli, &c	10,067	...	..	..	...	...	42,445	13,205	...	...	...	...	...	50,635
	Total ...	16,148	183	421	2,71,026	25,464	83,316	1,94,200	22.199	272	633	4,18,463	25,464	1,26,465	2,34,026
	Total for 1891-92 ...	38,916	1,867	25	6 03,228	53,409	1,17,925	1,47.923	...	...	...	...	...	...	...

(a) Deodar sleepers and scantlings.

APPENDIX XIII.

Results by Divisions.

Divisions.	Revenue.	Expenditure.	Surplus.	Deficit.
	Rs.	Rs.	Rs.	Rs.
Hazára	70,215	49,069	21,146	...
Ráwalpindi	57,028	34,802	22,226	...
Jhelum	34,945	21,959	12,986	...
Chenáb	66,503	24,565	41,938	...
Chamba	1,55,693	1,77,189	...	21,496
Kángra	37,785	32,014	5,771	...
Kulu	25,289	31,935	...	6,646
Bashahr	82,915	1,05,917	...	23,002
Simla Hill Tracts	2,640	12,950	...	10,310
Ambala	8,337	20,327	..	11,990
Lahore	1,36,146	72,028	64,118	...
Montgomery	1,68,229	77,200	91,029	...
Multan	74,6[illegible]	46,944	27,661	...
Direction	240	75,723	...	75,483
Total ...	9,20,570	7,82,622	1,37,948	...